DREXEL UNIVERSITY
Westphal
College of Media Arts & Design

CATALOG
2023-2024

UNDERGRADUATE

catalog.drexel.edu

Table of Contents

Animation and Visual Effects BS

Major: Animation and Visual Effects
Degree Awarded: Bachelor of Science (BS)
Calendar Type: Quarter
Minimum Required Credits: 187.0
Co-op Options: One Co-op (Four years); Three Co-op (Five years)
Classification of Instructional Programs (CIP) code: 10.0304
Standard Occupational Classification (SOC) code: 27-1014

About the Program

The Animation & Visual Effects major provides students with the artistic, technological, story-telling, and design skills necessary to succeed as 3D animators and visual effects artists in the highly competitive entertainment, design, and communications industries.

Animation and Visual Effects has grown beyond its traditional applications in the entertainment industry. While many artists choose a career in film, television, and internet-based programming, animation production techniques are also widely used in medical research, engineering, virtual and augmented reality systems, immersive media, web content, the performing arts, interactive game systems, corporate communications, higher education, and more. The depth and complexity of this field necessitates a rigorous course of study.

To best prepare students for the demands of careers in these cutting-edge disciplines, the program provides a foundational understanding of design and technology with core courses in digital media, the option to choose between a six or eighteen-month co-op plan, and a curriculum of rigorous coursework covering specialized aspects of digital animation, visual effects, and immersive media. While courses are predominantly offered face-to-face on campus, we also offer a variety of virtual courses taught by a diverse range of professionals from across the nation, exposing students to a wider network of industry professionals and to the evolving climate of industry work, and engaging with students outside the campus boundaries. In this curriculum, students will learn the underlying principles of animation and advanced, industry-standard software and hardware technologies. The entire creative pipeline, from storyboarding to modeling and animation to rendering and compositing, is covered in-depth, allowing students to experience all aspects of a production.

Additional Information

To find out more about this major, visit the Westphal College's Animation & Visual Effects Major (http://www.drexel.edu/westphal/academics/undergraduate/ANIM/) webpage.

Degree Requirements

General Education Requirements

CIVC 101	Introduction to Civic Engagement	1.0
COM 230	Techniques of Speaking	3.0
COOP 101	Career Management and Professional Development *	1.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
MATH 101	Introduction to Analysis I	4.0
PHYS 170	Electricity and Motion	3.0
PHYS 171	Computational Lab for Electricity and Motion	1.0
PHYS 175	Light and Sound	3.0
PHYS 176	Computational Lab for Light and Sound	1.0
UNIV A101	The Drexel Experience	2.0
Required Arts and Humanities-students elect a minimum of 9.0 credits **		9.0
Required Social Science-students elect a minimum of 9.0 credits ***		9.0
Free electives		24.0
Art and Art History Requirements		
Required ARTH electives (choose a minimum of 6 credits from ARTH 100-499, except ARTH 300)		6.0
ARTH 300 [WI]	History of Modern Design	3.0
VSST 108	Design I for Media	3.0
VSST 109	Design II for Media	3.0
VSST 110	Introductory Drawing	3.0
VSST 111	Figure Drawing I	3.0
Media and Computer Science Requirements		
ANIM 231	Scripting for Animation and Visual Effects	3.0
CS 171	Computer Programming I	3.0
FMTV 100	Visual Storytelling	3.0
FMTV 206	Audio Production and Post	3.0
SCRP 270 [WI]	Screenwriting I	3.0
Digital Media Core Requirements		
ANIM 140	Computer Graphics Imagery I	3.0
ANIM 141	Computer Graphics Imagery II	3.0
ANIM 211	Animation I	3.0
DIGM 105	Overview of Digital Media	3.0
DIGM 451 [WI]	Explorations in New Media	3.0
DIGM 475 [WI]	Seminar: The Future of Digital Media	3.0
DIGM 490	Digital Media Senior Project †	9.0
DIGM 491	Digital Media Senior Project Studio †	3.0
GMAP 260	Overview of Computer Gaming	3.0
IDM 100	Introduction to Web Development	3.0
Animation Requirements		
ANIM 110	Digital Imaging for Animation & VFX	3.0
ANIM 146	Basic Portfolio	1.0
ANIM 155	Previsualization for Animated Production	3.0
ANIM 212	Animation II	3.0
ANIM 213	Rigging I	3.0
ANIM 215	History of Animation	3.0
ANIM 220	Digital Compositing I	3.0
ANIM 221	Digital Compositing II	3.0
ANIM 246	Advanced Portfolio (Take 2 times)	2.0
ANIM 250	Professional Practices for Animation & VFX	3.0
ANIM 377	Animation Workshop I	3.0
ANIM 378	Animation Workshop II	3.0
Animation & Visual Effects Concentration (See Below)		12.0
Total Credits		**187.0**

Animation & Visual Effects Concentrations

Students must choose and complete one of the following concentrations for a total of 12.0 credits.

Character Animation Concentration

ANIM 314	Character Animation I	3.0
ANIM 315	Character Animation II	3.0
Animation Electives (Choose 2)		6.0
Total Credits		**12.0**

Organic Modeling Concentration

ANIM 247	Organic Modeling I	3.0
ANIM 347	Organic Modeling II	3.0

Animation Electives (Choose 2)	6.0
Total Credits	**12.0**

Generalist Concentration

Animation Electives (Choose 4 or more equaling at least 12 credits)	12.0

Animation Electives

ANIM 145	Realtime Visualization
ANIM 225	Digital Matte Painting
ANIM 240	Lighting & Surfacing
ANIM 248	Advanced Lighting
ANIM 301	Procedural Animation
ANIM 410	Advanced Compositing
ANIM 411	Advanced Animation
ANIM 412	Advanced Visual Effects
ANIM 435	Technical Directing for Animation
ANIM T180	Special Topics in Animation
ANIM T280	Special Topics in Animation
ANIM T380	Special Topics in Animation
ANIM T480	Special Topics in Animation
DIGM 308 [WI]	Digital Cultural Heritage
DIGM 350 [WI]	Digital Storytelling
DIGM 355	Overview of Immersive Media
GMAP 345	Game Development Foundations
GMAP 367	Character Animation for Gaming
VRIM 388	Motion Capture I
VRIM 488	Motion Capture II
Total Credits	**12.0**

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

**   Select from 100-499 level courses, including T380-T480 in AFAS, ARCH, ARTH, COM, DANC, ENGL, FMST, GST, HIST, INTR, IST, JWST, LANG, LING, MENA, MUSC, PHIL, PHTO, PPE, PBHL, RELS, SCRP, THTR, TVST, VSCM, WGST, WRIT.

***   Select from 100-499 level courses, including T380-T480, in AFAS, ANTH, CJS, CS, ECON, ENSS, ENVS, PSCI, PSY, PBHL, SOC, WGST.

†   DIGM 490 and DIGM 491 are repeated three times each.

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plan of Study

5 year, 3 co-op

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ANIM 110	3.0	ANIM 141	3.0	ANIM 211	3.0	VACATION	
ANIM 140	3.0	ANIM 215	3.0	CIVC 101	1.0		
ENGL 101 or 111	3.0	COOP 101*	1.0	DIGM 105	3.0		
PHYS 170	3.0	ENGL 102 or 112	3.0	ENGL 103 or 113	3.0		
PHYS 171	1.0	PHYS 175	3.0	MATH 101	4.0		
UNIV A101	1.0	PHYS 176	1.0	VSST 109	3.0		
VSST 110	3.0	UNIV A101	1.0				
		VSST 108	3.0				
	17		**18**		**17**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP EXPERIENCE		COOP EXPERIENCE		ANIM 146	1.0	ANIM 155	3.0
				ANIM 212	3.0	ANIM 213	3.0
				ANIM 220	3.0	IDM 100	3.0
				FMTV 100	3.0	VSST 111	3.0
				GMAP 260	3.0	Free Elective	3.0
				SCRP 270	3.0		
	0		**0**		**16**		**15**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP EXPERIENCE		COOP EXPERIENCE		ANIM 221	3.0	ANIM 231	3.0
				Concentration Choice	3.0	ANIM 250	3.0
				ANIM 247 (Organic Modeling Concentration)		COM 230	3.0
				ANIM 31 (Character Animation Concentration)		FMTV 206	3.0
				Generalist Concentration Elective		Free Elective	3.0
				CS 171	3.0		
				Art History Elective	3.0		
				Free Elective	3.0		
	0		**0**		**15**		**15**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ANIM 246		ANIM 378	1.0	COOP EXPERIENCE	3.0	COOP EXPERIENCE	
ANIM 377		DIGM 451	3.0		3.0		
Concentration Choice		Animation Concentration Elective	3.0		3.0		

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ANIM 347 (Organic Modeling Concentration)		Art History Elective	3.0				
ANIM 315 (Character Animation Concentration)		Free Elective	3.0				
General Concentration Elective							
ARTH 300	3.0						
Social Science Elective	3.0						
Free Elective	3.0						
	16		**15**		**0**		**0**

Fifth Year

Fall	Credits	Winter	Credits	Spring	Credits
DIGM 490	3.0	ANIM 246	1.0	DIGM 475	3.0
DIGM 491	1.0	DIGM 490	3.0	DIGM 490	3.0
Animation Concentration Elective	3.0	DIGM 491	1.0	DIGM 491	1.0
Arts and Humanities Elective	3.0	Arts and Humanities Elective	3.0	Arts and Humanities Elective	3.0
Social Science Elective	3.0	Social Science Elective	3.0	Free Elective	3.0
Free Elective	3.0	Free Elective	3.0		
	16		**14**		**13**

Total Credits 187

* Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

4 year, 1 co-op

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ANIM 110	3.0	ANIM 141	3.0	ANIM 211	3.0	VACATION	
ANIM 140	3.0	ANIM 215	3.0	DIGM 105	3.0		
ENGL 101 or 111	3.0	ENGL 102 or 112	3.0	CIVC 101	1.0		
PHYS 170	3.0	PHYS 175	3.0	ENGL 103 or 113	3.0		
PHYS 171	1.0	PHYS 176	1.0	MATH 101	4.0		
UNIV A101	1.0	UNIV A101	1.0	VSST 109	3.0		
VSST 110	3.0	VSST 108	3.0				
	17		**17**		**17**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ANIM 146	1.0	ANIM 155	3.0	ANIM 221	3.0	ANIM 231	3.0
ANIM 212	3.0	ANIM 213	3.0	Concentration Choice	3.0	ANIM 250	3.0
ANIM 220	3.0	IDM 100	3.0	ANIM 247 (Organic Modeling Concentration)		COM 230	3.0
FMTV 100	3.0	VSST 111	3.0	ANIM 315 (Character Animation Concentration)		COOP 101*	1.0
GMAP 260	3.0	Free Elective	3.0	Generalist Concentration Elective		FMTV 206	3.0
SCRP 270	3.0			CS 171	3.0	Free Elective	3.0
				Art History Elective	3.0		
				Free elective	3.0		
	16		**15**		**15**		**16**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ANIM 246	1.0	ANIM 378	3.0	COOP EXPERIENCE		COOP EXPERIENCE	
ARTH 300	3.0	DIGM 451	3.0				
ANIM 377	3.0	Animation Concentration Elective	3.0				
Concentration Choice	3.0	Art History Elective	3.0				
ANIM 347 (Organic Modeling Concentration)		Free Elective	3.0				
ANIM 315 (Character Animation Concentration)							
Generalist Concentration Elective							
Free Electives	3.0						
Social Science Elective	3.0						
	16		**15**		**0**		**0**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits
DIGM 490	3.0	ANIM 246	1.0	DIGM 475	3.0
DIGM 491	1.0	DIGM 490	3.0	DIGM 490	3.0
Animation Concentration Elective	3.0	DIGM 491	1.0	DIGM 491	1.0
Arts and Humanities Elective	3.0	Arts & Humanities Elective	3.0	Arts and Humanities Elective	3.0
Social Science Elective	3.0	Social Science Elective	3.0	Free Elective	3.0
Free Elective	3.0	Free Elective	3.0		
	16		**14**		**13**

Total Credits 187

* Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

Dual/Accelerated Degrees

The accelerated degree program enables academically qualified students to earn both their bachelor's degree and a master's degree in digital media, graduating sooner than they would in traditional programs.

Current Drexel Animation and Visual Effects students may apply for the accelerated BS/MS degree through the Graduate College of Drexel University after completing 90.0 credits, but no more than 120.0 credits. Contact the Graduate College of Drexel University (http://www.drexel.edu/graduatecollege/) for further information.

Facilities

This major is based in the Westphal College's Digital Media Department, located in the Westphal College's URBN Center.

The central creative space for the department is the Animation Capture & Effects Lab (ACE-Lab), featuring a 1200-square-foot open studio space dedicated to digital media production. The studio features include a 25-foot by 17-foot green screen cyclorama, studio lighting and modifiers, HD/2k/4k camera systems, camera dolly, Vicon Vantage motion capture system, stereo-360 "VR Video" capture systems, room-scale VR tracking systems, and a full 360° Immersive Projection Dome among other resources.

Additional spaces surrounding the main studio include screening rooms, classrooms and computer labs featuring advanced graphics work stations, VR labs, research labs, meeting rooms, and faculty offices.

Animation and Visual Effects Faculty

Alexus Aiken, MS *(Drexel University)*. Visting Instructor.

Milady S. Bridges, BA *(Rutgers University) Program Director, Animation and Visual Effects*. Assistant Teaching Professor. Animation and visual effects technical artist

Nick Jushchyshyn, MFA *(Academy of Art University) Program Director, VR & Immersive Media*. Associate Professor. Visual effects, digital media and animation.

David Mauriello, BA *(Lafayette College)*. Assistant Professor. 3D modeling and animation.

Emil Polyak, MDCArtDes *(University of New South Wales)*. Assistant Professor. Cross-disciplinary art and design

Michael Wagner, PhD *(Vienna University of Technology) Program Director, Digital Media*. Associate Professor. Educational use of digital media and computer games.

Jichen Zhu, PhD *(Georgia Institute of Technology)*. Associate Professor. Developing humanistic and interpretive framework of computational technology, particularly artificial intelligence (AI), and constructing AI-based cultural artifacts; interactive storytelling, games and software studies.

Emeritus Faculty

Theo Artz, BFA *(Tyler School of Art, Temple University)*. Associate Professor. Digital media.

Architectural Studies BS

Major: Architectural Studies
Degree Awarded: Bachelor of Science (BS)
Calendar Type: Quarter
Minimum Required Credits: 181.0
Co-op Options: No Co-op (Four years); One Co-op (Four years)
Classification of Instructional Programs (CIP) code: 04.0803
Standard Occupational Classification (SOC) code: 25-1031

About the Program

The Bachelor of Science in Architectural Studies degree offers an introduction to architecture while affording students the flexibility to customize their studies based on their interest in the realm of design and the built environment. The program encompasses foundation courses in the applied and social sciences, the humanities, and a range of architecture courses to give students an understanding of the discipline. At the heart of the curriculum are the introductory-level design studios where students are challenged to apply their knowledge acquired from the above disciplines to consequential design problems.

As an art, a technical craft, and an ethical practice, architecture is the culturally responsible design and production of buildings that are functional, sustainable, inspiring, and responsive to their physical and social contexts. Students have the opportunity to reinforce their skills in the field by opting to participate in Drexel's signature co-op program, giving students the opportunity to work full-time in an architecture or design firm or related fields either locally, nationally, or internationally. The BS in Architectural Studies program prepares students for entry-level employment in architecture and in fields related to architecture; however, this program is not NAAB accredited and does not directly prepare for architectural licensure and registration. This degree is offered as a co-op and a non-co-op option. The degree modality is face-to-face; however, a small number of classes may be offered partially or fully in a virtual format. This allows us to attract talented experts from outside the greater Philadelphia area and provides more flexibility for students on coop or out working in the profession.

The pre-professional BS in Architectural Studies degree creates the foundation in the field of architecture as preparation for continued education in a professional NAAB-accredited graduate degree program. It is also the ideal foundation for specialization in other related disciplines such as Design Research, Urban Strategies, Interior Architecture & Design, Construction Management, Real Estate Development, and Digital Media & Animation, as

well as pursuing an individualized path with coursework in other design disciplines within Westphal College. A 5-year accelerated BS/MS degree option between the BS in Architectural Studies and the MS in Urban Strategy (p. 110) is available to select students as well.

Note: Bachelor of Architecture **(**p. 12**) vs Bachelor of Science in Architectural Studies and Architecture vs** Architectural Engineering **(**http://catalog.drexel.edu/undergraduate/collegeofengineering/architecturalengineering/**)**

Because Drexel University offers three programs with "architecture" in their titles, it is useful to point out the significant differences between them:

- *Architects* design buildings to meet people's spatial, organizational, and aesthetic needs; they also coordinate the building design process. All states, the District of Columbia, and three U.S. territories (Guam, Puerto Rico, and the U.S. Virgin Islands) require individuals to be licensed (registered) before they may call themselves architects or be contracted to provide architectural services. Many architecture school graduates work in the field even though they are not licensed or while they are in the process of becoming licensed, but they may not call themselves an architect.

  A **licensed architect** is required to take legal responsibility for all work. Licensure requirements usually include:
  - A professional degree in architecture (B.Arch. or M.Arch. degrees)
  - A period of practical training or internship (AXP) (https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ncarb.org%2Fgain-axp-experience&data=04%7C01%7Cua27%40drexel.edu%7C495cb30df9174f24baaa08d91a3685da%7C3664e6fa47bd45a696708c4f080f8ca6%7C0%7C0%7C637569643738944256%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=kXdqNq6pA%2BIqm2GFGHNObnmHb3LoX6y70yc2KBEu53I%3D&reserved=0)
  - Passage of all divisions of the Architect Registration Examination (ARE) (https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ncarb.org%2Fpass-the-are&data=04%7C01%7Cua27%40drexel.edu%7C495cb30df9174f24baaa08d91a3685da%7C3664e6fa47bd45a696708c4f080f8ca6%7C0%7C0%7C637569643738944256%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=bVStK%2FmCAYnh52glzmHEhIaVFlFnTwadK1dgZR7x86U%3D&reserved=0)

- *Architectural Engineers* specialize in the design of engineering systems within buildings. Architectural engineers earn Bachelor of Science degrees and become professional engineers with the required experience and state examinations. Students whose interests are focused on the technological and engineering aspects of buildings should review Drexel's major in Architectural Engineering (http://catalog.drexel.edu/undergraduate/collegeofengineering/architecturalengineering/)offered by the College of Engineering.

The difference between the NAAB-accredited **Bachelor of Architecture** (B.Arch.) degree and the non-accredited **Bachelor of Science in Architectural Studies** (BS in Arch. Studies) degree:

Bachelor of Architecture (B.Arch.) degrees are designed to help you develop a comprehensive knowledge of the discipline of architecture, as well as foundational professional knowledge and a basic understanding of related fields. The NAAB-accredited B.Arch. degree at Drexel University is suitable for students who seek to earn a professional undergraduate degree that leads to professional licensure and affords them early exposure to architectural practice. While our B.Arch. degree does NOT participate in Drexel's signature co-op program, our students' opportunity to gain professional work experience and complete most or all of their AXP requirements prior to graduation far exceeds the practice exposure of co-op. A conventional B.Arch. degree is typically five years long. The *2+4 Option* and the *PT Evening Option* take longer to complete due to the part-time model but allows an accelerated path to professional licensure due to parallel AXP completion and the option to participate in IPAL.

The **Bachelor of Science in Architectural Studies** (BS in Arch. Studies) degree is a four-year, pre-professional degree that is NOT accredited by NAAB. You will develop a comprehensive knowledge of the discipline of architecture, hone your design skills, and expand your architectural understanding. If you're unsure about becoming a licensed architect, this degree provides flexible avenues to combine your studies with related fields. Our BS in Architectural Studies degree can be a precursor to a dual BS/MS degree at Drexel University or a professional NAAB-accredited M.Arch. degree.

Additional Information

For more information, visit the Architecture Program (https://drexel.edu/westphal/academics/undergraduate/arch/) website.

 (https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ncarb.org%2Fpass-the-are&data=04%7C01%7Cua27%40drexel.edu%7C495cb30df9174f24baaa08d91a3685da%7C3664e6fa47bd45a696708c4f080f8ca6%7C0%7C0%7C637569643738954249%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=V5BK3dFruUVj4hxSFFt8l6g2OMcWGZKjZ4tUQtZ3oJU%3D&reserved=0)

Admission Requirements

The admission requirements will be similar to those admitted to the Architecture Program: 1250+/- SAT scores and 3.3+/- high school GPA. Applicants should submit eight to 12 pieces of work in a variety of media that demonstrate a balance of technique and concept. Portfolio guidelines for the B.S. in Architectural Studies will follow the current Westphal College description. A writing supplement is required.

Degree Requirements

General Education Requirements

CIVC 101	Introduction to Civic Engagement	1.0
COOP 101	Career Management and Professional Development [*]	1.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
MATH 101	Introduction to Analysis I	4.0
MATH 102	Introduction to Analysis II	4.0
PHYS 182	Applied Physics I	3.0
PHIL 317	Ethics and Design Professions	3.0
UNIV A101	The Drexel Experience	2.0
Arts and Humanities - students elect a minimum of 12 credits		12.0
Natural Science - students elect a minimum of 3 credits		3.0
Social Science - students elect a minimum of 9 credits		9.0
Free Electives		24.0
Architecture Requirements		
Studios (must be taken in sequence)		
ARCH 181	Architecture Studio 1A	4.0
ARCH 182	Architecture Studio 1B	4.0
ARCH 183	Architecture Studio 1C	4.0
ARCH 281	Architecture Studio 2A	4.0
ARCH 282	Architecture Studio 2B	4.0
ARCH 283	Architecture Studio 2C	4.0
Required Professional Courses		
ARCH 141	Architecture and Society I	3.0
ARCH 142	Architecture and Society II	3.0
ARCH 143	Architecture and Society III	3.0
ARCH 211	Architectural Representation I	2.0
ARCH 212	Architectural Representation II	2.0
ARCH 213	Architectural Representation III	2.0
ARCH 221	Materials & Methods I	1.5
ARCH 222	Materials & Methods II	1.5
ARCH 223	Materials & Methods III	1.5
ARCH 224	Architectural Representation IV	2.0
ARCH 225	Architectural Representation V	2.0
ARCH 226	Architectural Representation VI	2.0
ARCH 251	Structural Systems I	1.5
ARCH 252	Structural Systems II	1.5
ARCH 253	Structural Systems III	1.5
WEST 210	Innovative Problem Solving	3.0
Senior Project Sequence		
ARCH 490	Capstone Project I	4.0
ARCH 492	Capstone Project II	4.0
Architecture Electives		**23.0**
ARCH 315	Sustainable Built Environment I	
ARCH 320	Sustainable Built Environment II	
ARCH 341 [WI]	Theories of Architecture I	
ARCH 342 [WI]	Theories of Architecture II	
ARCH 343	Theories of Architecture III	
ARCH 346 [WI]	History of Philadelphia Architecture	
ARCH 347 [WI]	Intensive Architectural Studies	
ARCH 348 [WI]	Studies in Vernacular Architecture	
ARCH 350	Contemporary Architecture	
ARCH 421 [WI]	Environmental Psychology and Design Theory	
ARCH 432	The Development Process	
ARCH 441	Urban Design Seminar	
ARCH 451	Advanced Drawing	

ARCH 455	Computer Applications in Architecture	
ARCH 463	Case Studies in Architectural Technology	
ARCH 465	Energy and Architecture	
ARCH 466	The Architectural Detail	
ARCH 467	Introduction to Historic Preservation	
Interdisciplinary Pathway Electives		**18.0**
Art History		
ARTH 150	Building Skills in Object Analysis	
ARTH 300 [WI]	History of Modern Design	
ARTH 302	Art of India	
ARTH 303	Art of China	
ARTH 304	Art of Japan	
ARTH 314	Contemporary Art	
ARTH 316	African Art	
ARTH 318	Latin American Art	
ARTH 321	Material Matters in Contemporary Art	
Construction Management		
CMGT 263	Understanding Construction Drawings	
CMGT 355	Introduction to Sustainability in Construction	
CMGT 361	Contracts And Specifications I	
CMGT 362	Contracts and Specifications II	
CMGT 363	Estimating I	
CMGT 467	Techniques of Project Control	
Fine Arts and Visual Studies		
VSST 102	Design II	
VSST 103	Design III	
VSST 114	Tablet Drawing	
VSST 202	Multimedia: Space	
VSST 203	Multimedia: Materials	
VSST 304	Materials Exploration	
Game Design & Production		
CS 171	Computer Programming I	
DIGM 105	Overview of Digital Media	
DIGM 350 [WI]	Digital Storytelling	
GMAP 102	Game Design Lab II	
GMAP 211	Game User Interface Design	
GMAP 231	Scripting for Game Design	
GMAP 260	Overview of Computer Gaming	
GMAP 341	Serious Games	
GMAP 342	Experimental Games	
Interior Design		
INTR 200	History of Modern Architecture and Interiors	
INTR 211	Textiles for Interiors	
INTR 250	Interior Materials	
INTR 300 [WI]	Visual Culture: Interiors	
INTR 305 [WI]	Visual Culture: Furniture	
INTR 441	Furniture Design	
Product Design		
PROD 101	History and Analysis of Product Design	
PROD 205	Applied Making I	
PROD 210	Introduction to Product Design	
PROD 215	Design Thinking in Product Design	
PROD 235	Applied Design Visualization	
PROD 240	Smart Product Design	
PROD 340	Interdisciplinary Product Design Studio	
Architectural Design		
ARCH 381	Architecture Studio 3A	
ARCH 382	Architecture Studio 3B	
ARCH 481	Architecture Studio 4A	
ARCH 482	Architecture Studio 4B	

ARCH 484	Specialized Studio	
Total Credits		**181.0**

*   Students not participating in co-op will take one additional credit of ARCH Elective instead of COOP 101 (https://
       nam10.safelinks.protection.outlook.com/?url=http%3A%2F%2Fcatalog.drexel.edu%2Fsearch%2F%3FP%3DCOOP
       %2520101&data=04%7C01%7Ctlm54%40drexel.edu
       %7C34d200b48e0c46fb805008d88a8ff939%7C3664e6fa47bd45a696708c4f080f8ca6%7C0%7C0%7C637411698243934600%7CUnknown
       %7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D
       %7C1000&sdata=uFlg6JYJDuaOW5sJ0XrAyjT%2F8XKJpCwAn57Wbc%2FmRS0%3D&reserved=0).

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plan of Study

4 YR., 1 COOP

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARCH 141	3.0	ARCH 142	3.0	ARCH 143	3.0	VACATION	
ARCH 181	4.0	ARCH 182	4.0	ARCH 183	4.0		
ARCH 211	2.0	ARCH 212	2.0	ARCH 213	2.0		
ENGL 101 or 111	3.0	ENGL 102 or 112	3.0	CIVC 101	1.0		
MATH 101	4.0	MATH 102	4.0	ENGL 103 or 113	3.0		
UNIV A101	1.0	UNIV A101	1.0	WEST 210	3.0		
	17		**17**		**16**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARCH 221	1.5	ARCH 222	1.5	ARCH 223	1.5	COOP 101[*]	1.0
ARCH 224	2.0	ARCH 225	2.0	ARCH 226	2.0	Architecture Elective	6.0
ARCH 251	1.5	ARCH 252	1.5	ARCH 253	1.5	Arts & Humanities Elective	3.0
ARCH 281	4.0	ARCH 282	4.0	ARCH 283	4.0	Elective	3.0
Arts & Humanities Elective	3.0	PHYS 182	3.0	Architecture Elective	2.0		
Interdisciplinary Pathway Elective	3.0	Elective	3.0	Elective	3.0		
				Natural Science Elective	3.0		
	15		**15**		**17**		**13**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
Architecture Elective	3.0	Architecture Elective	3.0	COOP EXPERIENCE		COOP EXPERIENCE	
Arts and Humanities Elective	3.0	Arts & Humanities Elective	3.0				
Interdisciplinary Pathway Elective	3.0	Interdisciplinary Pathway Elective	3.0				
Social Science Elective	3.0	Social Science Elective	3.0				
Elective	3.0	Elective	3.0				
	15		**15**		**0**		**0**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits
ARCH 490	4.0	ARCH 492	4.0	PHIL 317	3.0

	Credits		Credits		Credits
Architecture Elective	3.0	Architecture Elective	3.0	Interdisciplinary Pathway Elective	3.0
Arts & Humanities Elective	3.0	Interdisciplinary Pathway Elective	3.0	Architecture Elective	3.0
Interdisciplinary Pathway Elective	3.0	Elective	3.0	Elective	3.0
Elective	3.0				
	16		**13**		**12**

Total Credits 181

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 (http://catalog.drexel.edu/search/?P=COOP%20101) registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 (http://catalog.drexel.edu/search/?P=COOP%20001) in place of COOP 101 (http://catalog.drexel.edu/search/?P=COOP%20101).

4 YR., No COOP

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARCH 141	3.0	ARCH 142	3.0	ARCH 143	3.0	VACATION	
ARCH 181	4.0	ARCH 182	4.0	ARCH 183	4.0		
ARCH 211	2.0	ARCH 212	2.0	ARCH 213	2.0		
ENGL 101 or 111	3.0	ENGL 102 or 112	3.0	ENGL 103 or 113	3.0		
MATH 101	4.0	MATH 102	4.0	WEST 210	3.0		
UNIV A101	1.0	UNIV A101	1.0	CIVC 101	1.0		
	17		**17**		**16**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARCH 221	1.5	ARCH 222	1.5	ARCH 223	1.5	VACATION	
ARCH 224	2.0	ARCH 225	2.0	ARCH 226	2.0		
ARCH 251	1.5	ARCH 252	1.5	ARCH 253	1.5		
ARCH 281	4.0	ARCH 282	4.0	ARCH 283	4.0		
Arts & Humanities Elective	3.0	PHYS 182	3.0	Architecture Elective	3.0		
Elective	3.0	Arts & Humanites Elective	3.0	Natural Science Elective	3.0		
	15		**15**		**15**		**0**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
Architecture Elective	3.0	Architecture Elective	6.0	PHIL 317	3.0	VACATION	
Arts & Humanites Elective	3.0	Arts & Humanities Elective	3.0	Architecture Elective	3.0		
Interdisciplinary Pathway Elective	3.0	Interdisciplinary Pathway Elective	3.0	Interdisciplinary Pathway Elective	3.0		
Social Science Elective	3.0	Elective	3.0	Social Science Elective	3.0		
Elective	3.0			Elective	3.0		
	15		**15**		**15**		**0**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits
ARCH 490	4.0	ARCH 492	4.0	Architecture Elective	3.0
Architecture Elective	3.0	Architecture Elective	3.0	Interdisciplinary Pathway Elective	3.0
Interdisciplinary Pathway Elective	3.0	Interdisciplinary Pathway Elective	3.0	Elective	6.0
Social Science Elective	3.0	Elective	3.0		
Elective	3.0				
	16		**13**		**12**

Total Credits 181

Opportunities

Drexel's Architecture Program offers distinct experiential-based learning models for students interested in combining an architectural education with other disciplines, like digital media, construction management, design, or other fields. The Bachelor of Science in Architectural Studies provides opportunities for interdisciplinary studies with flexible options to combine your studies with related fields. It can be a precursor to a dual BS/MS degree at Drexel University or a professional NAAB-accredited M.Arch. degree at another institution. Since 2023, a 5-year accelerated BS/MS degree between the BS in Architectural Studies and the MS in Urban Strategy is available to select students.

The BS in Architectural Science degree provides the opportunity to take advantage of Drexel's renowned co-op program, undertaken in the junior year. Co-op provides project-based, real-life experiences that help students enter the professional world, apply and hone their skills. Students may opt to do their co-op in Philadelphia or in another location of their choosing. Through a required course and career advisement services offered by the Steinbright Career Development Center, students develop the ability to market themselves and obtain jobs in leading firms worldwide.

Drexel is located in University City, a Philadelphia neighborhood that includes several centers of education and research. Philadelphia itself offers an unparalleled collection of landmark architecture and urban planning that spans 300 years of development. The region has always been home to architectural and design firms of national and international prominence. A rich and varied environment, combined with an accomplished and supportive professional community, makes Philadelphia an ideal laboratory for the study of architecture. All of the faculty in the program are active in the Philadelphia architecture community, many in leadership positions at firms.

Students seeking support for resume and portfolio development may schedule an appointment both with the Steinbright Career Development Center or with the Architecture Program faculty. Password-protected job listings exclusively for Drexel Architecture students can be found on the Opportunities for Students site (https://drexel.edu/westphal/academics/undergraduate/ARCH/Opportunities%20for%20Students/). (http://www.drexel.edu/westphal/academics/undergraduate/ARCH/Opportunities/)Firms seeking Drexel interns may contact students directly by finding student links to resume, work samples, and web portfolios at this site.

Facilities

The Architecture program is housed in URBN Center, an original Venturi Scott Brown building enhanced by an award-winning retrofit by MS&R Design, which includes a skylight-covered atrium, exposed beams, and open spaces. There are dedicated 24-hour studios with dedicated desks for full-time students, storage space, model-building opportunities, and a small lounge area.

The Department's offices, studios, and teaching facilities are located on floors 3, 3A, 4 and 4A of the URBN Center at 3501 Market Street. The Hybrid Making Lab (http://drexel.edu/westphal/about/overview/making_spaces/HybridMakingLab/) with laser cutters, 3-D printers, a CNC router, and small-scale power tools located on the first floor, is open to all Westphal students. It is equipped with state-of-the-art fabricating equipment accessible to students after required training. The Westphal Print Center is a full-service, low-cost facility located on the ground floor and is accessible to students from on and off-campus.

The URBN Annex houses a black box theater, screening room, and the Leonard Pearlstein Gallery (http://www.drexel.edu/pearlsteingallery/). Additional studio and classroom space in the Academic Building and the Design Arts Annex accommodate photography, basic design, painting, sculpture, and a full woodworking shop, including metal, resin, casting, CNC, and fabrication equipment with industrial-quality equipment.

Philadelphia, one of the nation's major design centers and a UNESCO World Heritage Site, gives interior design students the vitality of the contemporary arts at local galleries and easy access to many museums, libraries, and renowned buildings, as well as design centers located in Philadelphia, New York City, and Washington, D.C.

Architecture BArch

Major: Architecture
Degree Awarded: Bachelor of Architecture (BArch)
Calendar Type: Quarter
Minimum Required Credits: 227.0
Co-op Options: None
Classification of Instructional Programs (CIP) code: 04.0902
Standard Occupational Classification (SOC) code: 17-1011

About the Program

The practice of architecture requires a unique skillset—creative thinking and aesthetic sensitivity balanced with technical knowledge, cultural understanding, and social responsibility. Critical thinking and communication skills are needed. Drexel's Bachelor of Architecture program encompasses foundation courses in the applied and social sciences, the humanities, and a wide range of professional architecture courses to prepare students for careers in architecture and related fields. At the heart of the curriculum are the design studios where students are challenged to apply their knowledge acquired from the above disciplines to consequential design problems.

Drexel's work/study program is an experiential-based learning model that complements and provides an alternative to traditional full-time academic architecture programs. The Drexel model provides a practical, high-quality education to those students who seek early exposure to daily architectural practice as well as an affordable alternative to students who could not otherwise be able to enter the profession.

At Drexel there are two paths to an accredited Bachelor of Architecture degree, serving two distinct populations: the 2+4 option and the part-time evening option.

Accreditation

In the United States, most registration boards require a degree from an accredited professional degree program as a prerequisite for licensure. The National Architectural Accrediting Board (http://www.naab.org/) (NAAB), which is the sole agency authorized to accredit US professional degree programs in architecture, recognizes three types of degrees: the Bachelor of Architecture, the Master of Architecture, and the Doctor of Architecture. A program may be granted an eight-year, three-year, or two-year term of accreditation, depending on the extent of its conformance with established educational standards.

Doctor of Architecture and Master of Architecture programs may require a pre-professional undergraduate degree in architecture for admission; however, the pre-professional degree is not, by itself, recognized as an accredited degree.

Drexel University, Antoinette Westphal College of Media Arts & Design, Department of Architecture + Interiors offers the following NAAB-accredited degree program(s):

2+4 Option: 6-year program (2 years full-time, 4 years part-time)
                                         Bachelor of Architecture
                                         227.0 undergraduate quarter-term credits

Part-Time Evening Option: 7-year part-time program
                                         Bachelor of Architecture
                                         227.0 undergraduate quarter-term credits

Next accreditation visit for both tracks: 2026/2027

About the 2+4 Option

The 2+4 option is suitable for well-prepared students entering the Bachelor of Architecture degree directly after graduating from high school. In this program, two years of full-time coursework address the basic principles of architectural design and satisfy fundamental Drexel University core requirements in the arts and sciences as well as those job-related skills that are needed for entry-level professional positions in architecture or related fields. A comprehensive review of performance will take place after each year to ensure that students are making sufficient progress in all areas. At the end of the sophomore year, a more thorough review of performance and advancement will be conducted to decide if the student is ready to move into the next phase of the accredited degree program in architecture. After successfully completing the minimum requirements of the full-time phase of Studio 2 and the co-requisite curriculum for that level, students are supported to find full-time employment in the building industry, including architecture firms, while continuing their academic program part-time in the evening for four additional years.

About the Part-time Evening Option

The part-time evening option is one of only two part-time evening architectural programs in the United States leading to the NAAB-accredited Bachelor of Architecture degree. Designed for non-traditional and transfer students, this program offers all courses part-time in the evening, enabling students to work full-time. The evening program sequence is seven years, but transfer students with university-level design credits can reduce its length by meeting specific program requirements through transcript and portfolio review. After completion of Studio 2 and the co-requisite curriculum for that level, a more thorough review of performance and advancement will be conducted to decide if the student is ready to advance further within the accredited degree program in architecture.

The degree modality of the B. Arch. degree is face-to-face for both tracks; however, a small number of classes may be offered partially or fully in a virtual format. This allows us to attract talented experts from outside the greater Philadelphia area and provides more flexibility for students out working in the profession or commuting to Drexel. By combining work and study, all Drexel Architecture students may be able to simultaneously satisfy their required internship for licensure—now called the Architectural Experience Program (AXP)— (https://www.ncarb.org/gain-axp-experience/)while completing their professional degree, thus qualifying for the registration exam on graduation in most jurisdictions.

The Integrated Path to Architectural Licensure (IPAL) Program

In August of 2015, Drexel was approved by the National Council of Architectural Registration Boards (NCARB) (http://www.ncarb.org/) for participation in the Integrated Path to Architectural Licensure (IPAL) (https://www.ncarb.org/become-architect/ipal/) Program. IPAL provides students the opportunity to achieve licensure upon graduation—an important innovation affording students the chance to jump-start their careers through a curriculum of education, work experience, and licensure examinations. Students follow either of the two options leading to the Bachelor of Architecture degree while preparing for and sitting for licensing exams during the summers following the third, fourth, and fifth year of study. Drexel is part of a selective group of schools in the country to offer this opportunity, an initiative spearheaded by the National Council of Architectural Registration Boards (NCARB), and one of the very

few architecture programs offering the IPAL path to students enrolled in an undergraduate BArch degree program. Students seeking access to this track need permission from the program director and the IPAL faculty advisor.

Note: Bachelor of Architecture vs Bachelor of Science in Architectural Studies **(**p. 6**)** and **Architecture vs** Architectural Engineering **(**http://catalog.drexel.edu/undergraduate/collegeofengineering/architecturalengineering/**)**

Because Drexel University offers three programs with "architecture" in their titles, it is useful to point out the significant differences between them:

- *Architects* design buildings to meet people's spatial, organizational, and aesthetic needs; they also coordinate the building design process. All states, the District of Columbia, and three U.S. territories (Guam, Puerto Rico, and the U.S. Virgin Islands) require individuals to be licensed (registered) before they may call themselves architects or be contracted to provide architectural services. Many architecture school graduates work in the field even though they are not licensed or while they are in the process of becoming licensed. But they may not call themselves an architect.

  A **licensed architect** is required to take legal responsibility for all work. Licensure requirements usually include:
  - A professional degree in architecture (B.Arch. or M.Arch. degrees)
  - A period of practical training or internship (AXP) (https://www.ncarb.org/gain-axp-experience/)
  - Passage of all divisions of the Architect Registration Examination (ARE) (https://www.ncarb.org/pass-the-are/)

  The difference between the NAAB-accredited **Bachelor of Architecture** (B.Arch.) degree and the non-accredited Bachelor of Science in Architectural Studies **(**p. 6**)** (BS in Arch. Studies) degree:

  Bachelor of Architecture (B.Arch.) degrees are designed to help you develop a comprehensive knowledge of the discipline of architecture, as well as foundational professional knowledge and a basic understanding of related fields. The NAAB-accredited B.Arch. degree at Drexel University is suitable for students who seek to earn a professional undergraduate degree that leads to professional licensure and affords you early exposure to architectural practice. While our B.Arch. degree does NOT participate in Drexel's signature coop program, our students' opportunity to gain professional work experience and complete most or all of their AXP requirements prior to graduation, thus far exceeding the practice exposure of coop. A conventional B.Arch. degree is typically five years long. The 2+4 Option and the PT Evening Option take longer to complete due to the part-time model but allows an accelerated path to professional licensure due to parallel AXP completion and the option to participate in IPAL.

  The Bachelor of Science in Architectural Studies **(**p. 6**)** (BS in Arch. Studies) degree is a four-year, pre-professional degree that is NOT accredited by NAAB. You will develop a comprehensive knowledge of the discipline of architecture, hone your design skills and expand your architectural understanding. If you're unsure about becoming a licensed architect, this degree will still encompass everything you enjoy about design and construction and gives you a broad introduction to architecture. Further, it provides flexible avenues to combine your studies with related fields. The BS in Arch. Studies degree is offered as a coop and a non-coop option. Our BS. in Architectural Studies degree can be a precursor to a dual BS/MS degree at Drexel University or a professional NAAB-accredited M.Arch. degree. (https://www.ncarb.org/pass-the-are/)

- *Architectural Engineers* specialize in the design of engineering systems within buildings. Architectural engineers earn Bachelor of Science degrees and become professional engineers with the required experience and state examinations. Students whose interests are focused on the technological and engineering aspects of buildings should review Drexel's major in Architectural Engineering (http://catalog.drexel.edu/undergraduate/collegeofengineering/architecturalengineering/)offered by the College of Engineering.

Additional Information

For more information, visit the Architecture Program (https://drexel.edu/westphal/academics/undergraduate/arch/) website. For advising and transfer information please review the Architecture program's curriculum (https://drexel.edu/westphal/academics/undergraduate/arch/curriculum/) page.

Degree Requirements (2 + 4 Option)

General Education Requirements

CIVC 101	Introduction to Civic Engagement	1.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
MATH 101	Introduction to Analysis I	4.0
MATH 102	Introduction to Analysis II	4.0
PHIL 317	Ethics and Design Professions	3.0
PHYS 182	Applied Physics I	3.0
PHYS 183	Applied Physics II	3.0
UNIV A101	The Drexel Experience	2.0
Arts and Humanties-students elect a minimum of 6 credits		6.0
Natural Science-students elect a minimum of 3 credits		3.0
Social Science-students elect a minimum of 9 credits		9.0

Free electives		30.0
Studios (must be taken in order)		
ARCH 181	Architecture Studio 1A	4.0
ARCH 182	Architecture Studio 1B	4.0
ARCH 183	Architecture Studio 1C	4.0
ARCH 281	Architecture Studio 2A	4.0
ARCH 282	Architecture Studio 2B	4.0
ARCH 283	Architecture Studio 2C	4.0
ARCH 381	Architecture Studio 3A	4.0
ARCH 382	Architecture Studio 3B	4.0
ARCH 383	Architecture Studio 3C	4.0
or ARCH 484	Specialized Studio	
ARCH 481	Architecture Studio 4A	4.0
ARCH 482	Architecture Studio 4B	4.0
ARCH 483	Architecture Studio 4C	4.0
or ARCH 484	Specialized Studio	
ARCH 487	Architecture Studio 5A	4.0
ARCH 488	Architecture Studio 5B	4.0
ARCH 489	Architecture Studio 5C	4.0
ARCH 493	Senior Project I	4.0
ARCH 494	Senior Project II	4.0
ARCH 495	Senior Project III	4.0
Required Professional Courses (2 + 4 Option)		
ARCH 141	Architecture and Society I	3.0
ARCH 142	Architecture and Society II	3.0
ARCH 143	Architecture and Society III	3.0
ARCH 211	Architectural Representation I	2.0
ARCH 212	Architectural Representation II	2.0
ARCH 213	Architectural Representation III	2.0
ARCH 221	Materials & Methods I	1.5
ARCH 222	Materials & Methods II	1.5
ARCH 223	Materials & Methods III	1.5
ARCH 224	Architectural Representation IV	2.0
ARCH 225	Architectural Representation V	2.0
ARCH 226	Architectural Representation VI	2.0
ARCH 251	Structural Systems I	1.5
ARCH 252	Structural Systems II	1.5
ARCH 253	Structural Systems III	1.5
ARCH 291	Building Systems I	1.5
ARCH 292	Building Systems II	1.5
ARCH 293	Building Systems III	1.5
ARCH 324	Materials & Methods IV	1.5
ARCH 325	Materials & Methods V	1.5
ARCH 326	Materials & Methods VI	1.5
ARCH 335	Professional Practice I	3.0
ARCH 336	Professional Practice II	3.0
ARCH 354	Structural Systems IV	1.5
ARCH 355	Structural Systems V	1.5
ARCH 356	Structural Systems VI	1.5
ARCH 394	Building Systems IV	1.5
ARCH 395	Building Systems V	1.5
ARCH 396	Building Systems VI	1.5
ARCH 431 [WI]	Architectural Programming	3.0
WEST 210	Innovative Problem Solving	3.0
History and Theory Electives		
Select three of the following:		9.0
ARCH 340	American Architecture & Urbanism	
ARCH 341 [WI]	Theories of Architecture I	
ARCH 342 [WI]	Theories of Architecture II	
ARCH 343	Theories of Architecture III	
ARCH 346 [WI]	History of Philadelphia Architecture	
ARCH 347 [WI]	Intensive Architectural Studies	

ARCH 348 [WI]	Studies in Vernacular Architecture	
ARCH 350	Contemporary Architecture	
ARCH 421 [WI]	Environmental Psychology and Design Theory	
ARCH 441	Urban Design Seminar	
ARCH T180	Special Topics in Architecture	
ARCH T280	Special Topics in Architecture	
ARCH T380	Special Topics in Architecture	
ARCH T480	Special Topics in Architecture	
Professional Electives		
Select three of the following:		9.0
ARCH 432	The Development Process	
ARCH 451	Advanced Drawing	
ARCH 455	Computer Applications in Architecture	
ARCH 463	Case Studies in Architectural Technology	
ARCH 464	Building Enclosure Design	
ARCH 465	Energy and Architecture	
ARCH 466	The Architectural Detail	
ARCH T180	Special Topics in Architecture	
ARCH T280	Special Topics in Architecture	
ARCH T380	Special Topics in Architecture	
ARCH T480	Special Topics in Architecture	
An approved Construction Management (CMGT) course		
Total Credits		**227.0**

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plan of Study (2 + 4 Option)

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARCH 141	3.0	ARCH 142	3.0	ARCH 143	3.0	VACATION	
ARCH 181	4.0	ARCH 182	4.0	ARCH 183	4.0		
ARCH 211	2.0	ARCH 212	2.0	ARCH 213	2.0		
ENGL 101 or 111	3.0	ENGL 102 or 112	3.0	CIVC 101	1.0		
MATH 101	4.0	MATH 102	4.0	ENGL 103 or 113	3.0		
UNIV A101	1.0	UNIV A101	1.0	WEST 210	3.0		
	17		**17**		**16**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARCH 221	1.5	ARCH 222	1.5	ARCH 223	1.5	VACATION	
ARCH 224	2.0	ARCH 225	2.0	ARCH 226	2.0	Students may opt to begin evening classses this quarter	
ARCH 251	1.5	ARCH 252	1.5	ARCH 253	1.5		
ARCH 281	4.0	ARCH 282	4.0	ARCH 283	4.0		
Free Elective	3.0	PHYS 182	3.0	PHYS 183	3.0		
Arts & Humanities Elective	3.0	Free Elective	3.0	Natural Science Elective	3.0		
Social Science Elective	3.0	Humanities Elective	3.0	Free Elective	3.0		
	18		**18**		**18**		**0**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARCH 291	1.5	ARCH 292	1.5	ARCH 293	1.5	Social Science Elective	3.0
ARCH 354	1.5	ARCH 355	1.5	ARCH 356	1.5	Free Electives	6.0
ARCH 381	4.0	ARCH 382	4.0	ARCH 383 or 484	4.0		
History/Theory Elective	3.0	Free Elective	3.0	Social Science Elective	3.0		
	10		**10**		**10**		**9**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARCH 324	1.5	ARCH 325	1.5	ARCH 326	1.5	ARCH 431	3.0
ARCH 394	1.5	ARCH 395	1.5	ARCH 396	1.5	History/Theory Elective	3.0
ARCH 481	4.0	ARCH 482	4.0	ARCH 483 or 484	4.0	Professional Elective	3.0
		Free Elective	3.0				
	7		**10**		**7**		**9**

Fifth Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARCH 335	3.0	ARCH 336	3.0	ARCH 489	4.0	Professional Elective	3.0
ARCH 487	4.0	ARCH 488	4.0	PHIL 317	3.0	Free Elective	3.0
						History/Theory Elective	3.0
	7		**7**		**7**		**9**

Sixth Year

Fall	Credits	Winter	Credits	Spring	Credits
ARCH 493	4.0	ARCH 494	4.0	ARCH 495	4.0
Free Elective	3.0	Professional Elective	3.0	Free Elective	3.0
	7		**7**		**7**

Total Credits 227

Degree Requirements (Part-time Evening Option)

General Education Requirements

ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
MATH 171	Introduction to Analysis A	3.0
MATH 172	Introduction to Analysis B	3.0
MATH 173	Introduction to Analysis C	3.0
PHIL 317	Ethics and Design Professions	3.0
PHYS 182	Applied Physics I	3.0
PHYS 183	Applied Physics II	3.0
UNIV A101	The Drexel Experience	2.0
Arts and Humanities-students elect a minimum of 6 credits		6.0
Social Science-students elect a minimum of 9 credits		9.0
Natural Science-students elect a minimum of 3 credits		3.0
Free electives		24.0

Studios (Must be taken in order)

ARCH 118	Architectural Design Foundations I	3.0
ARCH 119	Architectural Design Foundations II	3.0
ARCH 181	Architecture Studio 1A	4.0
ARCH 182	Architecture Studio 1B	4.0
ARCH 183	Architecture Studio 1C	4.0
ARCH 281	Architecture Studio 2A	4.0
ARCH 282	Architecture Studio 2B	4.0
ARCH 283	Architecture Studio 2C	4.0
ARCH 381	Architecture Studio 3A	4.0
ARCH 382	Architecture Studio 3B	4.0
ARCH 383	Architecture Studio 3C	4.0
or ARCH 484	Specialized Studio	
ARCH 481	Architecture Studio 4A	4.0
ARCH 482	Architecture Studio 4B	4.0

ARCH 483	Architecture Studio 4C	4.0
or ARCH 484	Specialized Studio	
ARCH 487	Architecture Studio 5A	4.0
ARCH 488	Architecture Studio 5B	4.0
ARCH 489	Architecture Studio 5C	4.0
ARCH 493	Senior Project I	4.0
ARCH 494	Senior Project II	4.0
ARCH 495	Senior Project III	4.0
Required Professional Courses (Part-time Evening Option)		
ARCH 141	Architecture and Society I	3.0
ARCH 142	Architecture and Society II	3.0
ARCH 143	Architecture and Society III	3.0
ARCH 211	Architectural Representation I	2.0
ARCH 212	Architectural Representation II	2.0
ARCH 213	Architectural Representation III	2.0
ARCH 221	Materials & Methods I	1.5
ARCH 222	Materials & Methods II	1.5
ARCH 223	Materials & Methods III	1.5
ARCH 224	Architectural Representation IV	2.0
ARCH 225	Architectural Representation V	2.0
ARCH 226	Architectural Representation VI	2.0
ARCH 251	Structural Systems I	1.5
ARCH 252	Structural Systems II	1.5
ARCH 253	Structural Systems III	1.5
ARCH 291	Building Systems I	1.5
ARCH 292	Building Systems II	1.5
ARCH 293	Building Systems III	1.5
ARCH 324	Materials & Methods IV	1.5
ARCH 325	Materials & Methods V	1.5
ARCH 326	Materials & Methods VI	1.5
ARCH 335	Professional Practice I	3.0
ARCH 336	Professional Practice II	3.0
ARCH 354	Structural Systems IV	1.5
ARCH 355	Structural Systems V	1.5
ARCH 356	Structural Systems VI	1.5
ARCH 394	Building Systems IV	1.5
ARCH 395	Building Systems V	1.5
ARCH 396	Building Systems VI	1.5
ARCH 431 [WI]	Architectural Programming	3.0
WEST 210	Innovative Problem Solving	3.0
History and Theory Electives		
Select three of the following:		9.0
ARCH 340	American Architecture & Urbanism	
ARCH 341 [WI]	Theories of Architecture I	
ARCH 342 [WI]	Theories of Architecture II	
ARCH 343	Theories of Architecture III	
ARCH 346 [WI]	History of Philadelphia Architecture	
ARCH 347 [WI]	Intensive Architectural Studies	
ARCH 348 [WI]	Studies in Vernacular Architecture	
ARCH 350	Contemporary Architecture	
ARCH 421 [WI]	Environmental Psychology and Design Theory	
ARCH 441	Urban Design Seminar	
ARCH T180	Special Topics in Architecture	
ARCH T280	Special Topics in Architecture	
ARCH T380	Special Topics in Architecture	
ARCH T480	Special Topics in Architecture	
Professional Electives		
Select three of the following:		9.0
ARCH 432	The Development Process	
ARCH 451	Advanced Drawing	
ARCH 455	Computer Applications in Architecture	
ARCH 463	Case Studies in Architectural Technology	

ARCH 464	Building Enclosure Design
ARCH 465	Energy and Architecture
ARCH 466	The Architectural Detail
ARCH 467	Introduction to Historic Preservation
ARCH T180	Special Topics in Architecture
ARCH T280	Special Topics in Architecture
ARCH T380	Special Topics in Architecture
ARCH T480	Special Topics in Architecture
Total Credits	**227.0**

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plan of Study (Part-time Evening Option)

This curriculum format is adjustable to each student's academic situation. Transfer credit evaluation, prior architectural experience, and other considerations may restructure the student's yearly program schedule.

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARCH 118	3.0	ARCH 119	3.0	ARCH 143	3.0	ENGL 102 or 112	3.0
ARCH 141	3.0	ARCH 142	3.0	MATH 172	3.0	MATH 173	3.0
ENGL 101 or 111	3.0	MATH 171	3.0	WEST 210	3.0	Natural Science Elective	3.0
UNIV A101	1.0	UNIV A101	1.0				
	10		**10**		**9**		**9**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARCH 181	4.0	ARCH 182	4.0	ARCH 183	4.0	ENGL 103 or 113	3.0
ARCH 211	2.0	ARCH 212	2.0	ARCH 213	2.0	Humanities Elective	3.0
Social Science Elective	3.0	PHYS 182	3.0	PHYS 183	3.0	Free Elective	3.0
	9		**9**		**9**		**9**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARCH 221	1.5	ARCH 222	1.5	ARCH 223	1.5	Humanities Elective	3.0
ARCH 224	2.0	ARCH 225	2.0	ARCH 226	2.0	Free Elective	3.0
ARCH 251	1.5	ARCH 252	1.5	ARCH 253	1.5	Social Science Elective	3.0
ARCH 281	4.0	ARCH 282	4.0	ARCH 283	4.0		
	9		**9**		**9**		**9**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARCH 291	1.5	ARCH 292	1.5	ARCH 293	1.5	History/Theory Elective	3.0
ARCH 381	4.0	ARCH 355	1.5	ARCH 356	1.5	Free Electives	3.0
ARCH 354	1.5	ARCH 382	4.0	ARCH 383 or 484	4.0	Free Elective	3.0
History/Theory Elective	3.0	Free Elective	3.0	Social Science Elective	3.0		
	10		**10**		**10**		**9**

Fifth Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARCH 324	1.5	ARCH 325	1.5	ARCH 326	1.5	ARCH 431	3.0
ARCH 394	1.5	ARCH 395	1.5	ARCH 396	1.5	History/Theory Elective	3.0
ARCH 481	4.0	ARCH 482	4.0	ARCH 483 or 484	4.0	Professional Elective	3.0
	7		**7**		**7**		**9**

Sixth Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARCH 335	3.0	ARCH 336	3.0	PHIL 317	3.0	Free Elective	3.0
ARCH 487	4.0	ARCH 488	4.0	ARCH 489	4.0	Professional Elective	3.0
	7		7		7		6

Seventh Year

Fall	Credits	Winter	Credits	Spring	Credits		
ARCH 493	4.0	ARCH 494	4.0	ARCH 495	4.0		
Free Elective	3.0	Professional Elective	3.0	Free Elective	3.0		
	7		7		7		

Total Credits 227

Opportunities

Drexel's work/study program is an experiential-based learning model that complements and provides an alternative to traditional full-time academic architecture programs. The Drexel model provides a practical, high-quality education to those students who seek early exposure to daily architectural practice as well as an affordable alternative to students who could not otherwise be able to enter the profession. The degree modality for the B.Arch degree is face-to-face; however, a small number of classes may be offered partially or fully in a virtual format, which allows us to attract talented experts from outside the greater Philadelphia area and provides more flexibility for students on coop or out working in the profession.

Ordinarily, Drexel's architecture graduates continue working for the firms that employed them during the work-study phase of their studies. In time, some architects reach positions of associate or partner in these offices while others choose to launch their own firms. Urban design, historic preservation, interior design, and facilities management are some of the related careers that architectural graduates also pursue with similar patterns of success.

The Integrated Path to Architectural Licensure Initiative (IPAL) provides students the opportunity to achieve licensure upon graduation—an important innovation affording students the chance to jump-start their careers through a curriculum of education, work experience, and licensure examinations. Students follow either of Drexel's two options leading to the Bachelor of Architecture degree while preparing for and sitting for licensing exams during the summers following the third, fourth, and fifth year of study. Our Architecture Program is part of a selective group of schools in the country to offer this opportunity, an initiative spearheaded by the National Council of Architectural Registration Boards (NCARB).

Drexel is located in University City, a Philadelphia neighborhood that includes several centers of education and research. Philadelphia itself offers an unparalleled collection of landmark architecture and urban planning that spans 300 years of development. The region has always been home to architectural firms of national and international prominence. A rich and varied environment combined with an accomplished and supportive professional community make Philadelphia an ideal laboratory for the study of architecture. All of the faculty in the program are active in the Philadelphia architecture community, many in leadership positions at firms.

Students seeking support for resume and portfolio development may schedule an appointment with the Associate Director for Student Placement by contacting the Architecture program. Password-protected job listings exclusively for Drexel Architecture students can be found on the Opportunities for Students site (https://drexel.edu/westphal/academics/undergraduate/ARCH/Opportunities%20for%20Students/). (http://www.drexel.edu/westphal/academics/undergraduate/ARCH/Opportunities/) Firms seeking Drexel interns may contact students directly by finding student links to resumes, work samples, and web portfolios at this site.

Facilities

The Architecture program is housed in URBN Center, an original Venturi Scott Brown building enhanced by an award-winning retrofit by MS&R Design, which includes a skylight-covered atrium, exposed beams, and open spaces. There are dedicated 24-hour studios with dedicated desks for full-time students, storage space, model-building opportunities, and a small lounge area.

The Department's offices, studios, and teaching facilities are located on floors 3, 3A, 4 and 4A of the URBN Center at 3501 Market Street. The Hybrid Making Lab (http://drexel.edu/westphal/about/overview/making_spaces/HybridMakingLab/) with laser cutters, 3-D printers, a CNC router, and small-scale power tools located on the first floor, is open to all Westphal students. It is equipped with state-of-the-art fabricating equipment accessible to students after required training. The Westphal Print Center is a full-service, low-cost facility located on the ground floor and is accessible to students from on and off-campus.

The URBN Annex houses a black box theater, screening room, and the Leonard Pearlstein Gallery (http://www.drexel.edu/pearlsteingallery/). Additional studio and classroom space in the Academic Building and the Design Arts Annex accommodate photography, basic design, painting, sculpture, and a full woodworking shop, including metal, resin, casting, CNC, and fabrication equipment with industrial-quality equipment.

Philadelphia, one of the nation's major design centers and a UNESCO World Heritage Site, gives interior design students the vitality of the contemporary arts at local galleries and easy access to many museums, libraries, and renowned buildings, as well as design centers located in Philadelphia, New York City, and Washington, D.C.

Architecture, Design & Urbanism Faculty

Ulrike Altenmüller-Lewis, AIA, NOMA, Dr.-Ing. *(Bauhaus Universität Weimar) Department Head, Architecture, Design & Urbanism*. Associate Professor. Research on educational environments; playful learning; participatory and community design processes; JEDI in arch. education; translations of architectural theory texts.

Jason Austin, LeeD AP MLA *(University of Pennsylvania)*. Associate Teaching Professor. Landscape architecture, mapping, design build, online education

Daniel E. Coslett, PhD *(University of Washington)*. Assistant Professor. Architectural and urban history, global modernism, colonialism and postcolonial theory, classical reception, archaeology and heritage preservation, tourism studies, globalization, and North Africa.

Stéphanie Feldman, RA, MArch *(University of Pennsylvania)*. Assistant Teaching Professor. Principal, ScF Design. Architectural design, Japanese architecture & culture.

Alan Greenberger, FAIA *(Rensselaer Polytechnic Institute) Senior Vice President for Real Estate and Development*. Distinguished Teaching Professor. Urban planning, economic development, urban governance

Antonio Martinez-Molina, PhD, LEED, CPHD *(Polytechnic University of Valencia)*. Associate Professor. Design built, high performance architecture, adaptive reuse, Passive Haus.

Jacklynn Niemiec, AIA, LEED BD+C, MArch *(University of Pennsylvania)*. Assistant Professor. Graphic representation, wayfinding.

Alesa Rubendall, AIA, LEED AP BD+C, MArch *(University of Texas, Austin)*. Assistant Teaching Professor. Principal, Design Moxie Architecture & Planning. Sustainable architecture, planning & design, women leadership.

Rachel Schade, AIA, MArch *(University of Pennsylvania)*. Associate Teaching Professor. Principal, Rachel Simmons Schade Architect. Residential, graphic representation. Retired.

Harris Steinberg, FAIA, MArch *(University of Pennsylvania) Executive Director, Lindy Institute for Urban Innovation*. Distinguished Teaching Professor. Urban design and civic engagement.

Simon Tickell, AIA, MArch *(University of Pennsylvania)*. Associate Teaching Professor. Principal, Simon J Tickell Architect; educational and museum buildings, residential design. Retired.

Emeritus Faculty

Judith Bing, MArch *(Yale University)*. Professor Emerita. Research on traditional architecture of the Balkins and Anatolia

Mark Brack, PhD *(University of California at Berkeley)*. Professor Emeritus. British and American architecture from 1700 to the present; Hispanic colonial architecture in the American Southwest; vernacular architecture; historic preservation.

Sylvia Clark, MArch *(University of Pennsylvania)*. Professor Emeritus.

Eugenia Ellis, PhD, AIA *(Virginia Polytechnic Institute and State University)*. Professor Emerita. Natural and electrical light sources and effects on biological rhythms and health outcomes; ecological strategies for smart, sustainable buildings of the nexus of health, energy, and technology.

Paul M. Hirshorn, FAIA, MArch, MCP, *(University of Pennsylvania)*. Professor Emeritus.

Marjorie Kriebel, BArch *(University of Pennsylvania)*. Professor Emerita.

Art History BS

Major: Art History
Degree Awarded: Bachelor of Science (BS)
Calendar Type: Quarter
Minimum Required Credits: 181.0
Co-op Options: One Co-op (Four years)
Classification of Instructional Programs (CIP) code: 50.0703
Standard Occupational Classification (SOC) code: 25-4011

About the Program

The history of art explores the meanings, values, and purposes of the visual arts within the historical cultures that create them. Works of fine and applied arts are understood not merely as aesthetic forms, but as expressions of the social, economic, scientific, religious, and political contexts that gave rise to them. The study of art history thus effectively serves the high purposes of a liberal education by equipping students with an understanding of world

cultures and their histories from multiple disciplinary perspectives, and by encouraging the development of critical thinking, reading, research, and writing skills.

The art history program has a uniquely flexible curricular design in that it permits students to pursue art history as either a Bachelor of Arts (p. 176) or a Bachelor of Science degree. The BA degree is intended for students wishing to become professional art historians or who wish to supplement the art history curriculum with other courses leading to a specific career path. The BS degree is designed to allow students to combine the art history major with another major or to tailor the curriculum to their specific interests and aspirations. Both the BA and BS degrees require a total of 181.0 credit hours.

Bachelor of Science

The BS degree also requires 60.0 credit hours of art history, but it only requires 36.0 credit hours of General Education courses, thereby freeing up 85.0 credit hours of coursework to accommodate another major or to design a personalized curriculum. The 85.0 credit hours of free electives provided by the BS degree permits the student to simultaneously pursue a second major, one or more minors, or simply explore the life of the mind by taking courses, with faculty advisement, in diverse fields. This program does not require a co-#op taken in addition to that which is required by the second major.

Additional Information

More information about the Art History program (https://drexel.edu/westphal/academics/undergraduate/ARTH/) is available.

Degree Requirements

General Education requirements		
COOP 101	Career Management and Professional Development	1.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
UNIV A101	The Drexel Experience	2.0
Mathematics and Natural Science		12.0
Arts and Humanities Requirement		6.0
Required Social Sciences-students elect a minimum of 6 credits		6.0
Free Electives		85.0
Art History requirements		
ARTH 477	Art History Seminar	3.0
VSST 100	Introduction to Art & Design	3.0
or VSST 107	Introduction to Design for Media	
or VSST 110	Introductory Drawing	
Foundation Survey Courses		15.0
ARCH 141	Architecture and Society I	
ARTH 101	History of Art I	
ARTH 102	History of Art II	
ARTH 103	History of Art III	
ARTH 301	Asian Art and Culture	
Methods Courses		6.0
ARTH 150	Building Skills in Object Analysis	
ARTH 200	Principles and Methods of Art History	
Design History		3.0
ARTH 300 [WI]	History of Modern Design	
ARTH 331 [WI]	Global Material Culture	
Global Art and Cultures (select one)		3.0
ARTH 314	Contemporary Art	
ARTH 340	Women in Art	
Arts of Europe and the Americas (select one)		3.0
ARTH 313	20th Century Art	
ARTH 315	History of African-American Art	
ARTH 318	Latin American Art	
ARTH 325	Ancient Greek and Roman Art	
ARTH 327	Italian Renaissance Art	
Arts of Asia and Africa (select one)		3.0
ARTH 302	Art of India	
ARTH 303	Art of China	
ARTH 304	Art of Japan	

ARTH 316	African Art	
Art History Electives - select 7 more courses either from the requirements areas (not already taken as a requirement) or from the following		**21.0**
Media Arts & Design		
ARTH 335 [WI]	History of Costume I: Preclassical to 1800	
ARTH 336 [WI]	History of Costume II: 1800-1920	
ARTH 337	History of Costume III: 1920 to Present	
FMST 101	Film History I: Emergence	
FMST 102	Film History II: New Waves	
FMST 203	Film History III: Trends	
PHTO 275 [WI]	History of Photography I	
PHTO 276 [WI]	History of Photography II	
VSCM 350 [WI]	Graphic Design: 20th Century and Beyond	
Western Art: Ancient to Modern		
ARTH 326	Medieval Art	
ARTH 328	Northern Renaissance	
Modern/Contemporary/Theory/Criticism		
ARTH 312	Nineteenth Century Art	
ARTH 314	Contemporary Art	
Asia, Africa, Latin America		
ARTH 302	Art of India	
ARTH 303	Art of China	
ARTH 304	Art of Japan	
ARTH 316	African Art	
Advanced Course Work		
ARTH 400	Art History Senior Thesis	
ARTH I399	Independent Study in Art History	
ARTH I499	Independent Study in Art History	
ARTH T380	Special Topics in Art History	
ARTH T480	Special Topics in Art History	
Architecture		
ARCH 142	Architecture and Society II	
ARCH 143	Architecture and Society III	
ARCH 144	Architecture and Society IV	
ARCH 340	American Architecture & Urbanism	
ARCH 346 [WI]	History of Philadelphia Architecture	
ARCH T480	Special Topics in Architecture	
Total Credits		**181.0**

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plan of Study

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARTH 101	3.0	ARTH 102	3.0	ARTH 103	3.0	VACATION	
ENGL 101 or 111	3.0	ENGL 102 or 112	3.0	ARTH 150	3.0		
UNIV A101	1.0	UNIV A101	1.0	ENGL 103 or 113	3.0		
Free Elective	9.0	Free Elective	6.0	Free Elective	3.0		
				Social Science Elective	3.0		
	16		**13**		**15**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARCH 141	3.0	Art History (ARTH) requirement	3.0	ARTH 200	3.0	COOP EXPERIENCE	
ARTH 301	3.0	MATH	3.0	Art History (ARTH) Requirement	3.0		
COOP 101	1.0	Arts and Humanities Elective	3.0	Free Elective	9.0		
MATH	3.0	Natural Science	3.0				
Natural Science	3.0	Free Elective	6.0				
Social Science Elective	3.0						
	16		**18**		**15**		**0**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARTH 300 or 331	3.0	ARTH 477	3.0	Art History (ARTH) Electives	6.0	COOP EXPERIENCE	
Art History (ARTH) Requirement	3.0	Art History (ARTH) Elective	3.0	Free Electives	12.0		
Free Electives	9.0	Free Electives	7.0				
	15		**13**		**18**		**0**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits
Art History (ARTH) Elective	3.0	Art History (ARTH) Electives	6.0	Art History (ARTH) Elective	3.0
Arts and Humanities Elective	3.0	Free Electives	9.0	Free Electives	9.0
VSST Requirement	3.0				
Free Electives	6.0				
	15		**15**		**12**

Total Credits 181

Co-op/Career Opportunities

Drexel's enviable geographical location in the northeast corridor of the United States provides a distinct advantage for an art history program because of the proximity of many important Museums, galleries, and auction houses. The Philadelphia Museum of Art, Pennsylvania Academy of the Fine Arts, Barnes Foundation, Rodin Museum, Institute of Contemporary Art, and the Penn Museum of Archeology and Anthropology are all local and easily accessible. Museums, galleries and auction houses in New York, Washington, Baltimore and other east coast centers are all within a reasonable distance by train, bus, or car. These institutions will offer students an abundance of opportunities for first-hand study of the major collections of art, architecture, and design. Proximity to these institutions can also provide for many choice opportunities for cooperative education experiences.

Some possibilities include:

- Barnes Foundation
- Philadelphia Museum of Art
- Pennsylvania Academy of the Fine Arts
- American Philosophical Society
- Moderne Gallery
- Calderwood Gallery
- RagoArts Auction House, Lambertville, NJ
- Twelve Gates Gallery for Contemporary South Asian Art
- Newark Museum, NJ
- Metropolitan Museum of Art
- Brooklyn Museum
- Mural Arts Program
- Asia Society NY
- Christie's NY

Career Opportunities

A major in art history can prepare students for a wide variety of careers, as well as preparation for graduate school.

Possible career paths:

- Museum Administrator
- Gallery Director
- Curator
- Museum Registrar
- Museum Educator
- Art Consultant
- Art Librarian
- Editor
- Art and/or Intellectual Property Law
- Artist Representative
- Non-profit and governmental organizations
- Teacher (K-12)
- Teacher/Researcher (college and university)

As a particularly broad humanities discipline, art history serves as an outstanding pre-professional degree, providing excellent preparation for a wide variety of professions, such as law, medicine, education and library science.

Visit the Drexel Steinbright Career Development Center (http://www.drexel.edu/scdc/) page for more detailed information on co-op and post-graduate opportunities.

Art and Art History Faculty

Jennifer Blazina, MFA *(Cranbrook Academy of Art, Bloomfield Hills, MI)*. Professor. Coordinator of printmaking, fine arts.

Pia Brancaccio, PhD *(Istituto Universitario Orientale, Naples, Italy)*. Associate Professor. South Asian art.

Lewis Colburn, MFA *(Syracuse University) Sculpture Area Coordinator*. Associate Professor. Sculpture, 3D design.

Anda Dubinskis, MFA *(University of Pennsylvania) Drawing Area Coordinator*. Teaching Professor. Drawing.

Derek Gillman, MA, LLM *(University of Oxford)*. Distinguished Visiting Professor. Visual studies.

Joseph F. Gregory, PhD *(SUNY at Binghamton) Program Director*. Associate Professor. Early Modern and Modern European Art.

Linda Kim, PhD *(University of California, Berkeley)*. Associate Professor. American art, African art.

Joseph H. Larnerd, PhD *(Stanford University)*. Assistant Professor. History of design and material culture.

Jacob Lunderby, MFA *(University of Minnesota)*. Assistant Teaching Professor. Drawing

Orlando Pelliccia, MFA *Director of the Leonard Perlstein Gallery; Materials Coordinator*. Associate Teaching Professor. Multimedia.

Bruce W. Pollock, M.F.A. *(Tyler School of Art, Temple University) Painting Area Coordinator; Fine Arts Minor Advisor*. Associate Professor. Abstract painting and drawing.

Delia Solomons, PhD *(Institute of Fine Arts, New York University)*. Assistant Professor. Contemporary art, Latin American art.

Sarah Steinwachs, MFA *(Yale University) Department Head of Art and Art History*. Associate Professor. Drawing, painting and design.

Mark Stockton, MFA *(Syracuse University) Design for Media Area Coordinator*. Associate Teaching Professor. Drawing, painting, and design.

Joshua Weiss, MFA *(Yale University)*. Associate Teaching Professor. Drawing, painting and design.

Ricardo Zapata, MFA *(The University of Pennsylvania)*. Assistant Teaching Professor.

Emeritus Faculty

Mark Brack, PhD *(University of California at Berkeley)*. Professor Emeritus. British and American architecture from 1700 to the present; Hispanic colonial architecture in the American Southwest; vernacular architecture; historic preservation.

Lydia Hunn, MFA *(University of Pennsylvania) Multimedia Area Coordinator*. Professor Emerita. Installations, sculpture, painting and drawing.

Charles Morscheck, PhD *(Bryn Mawr College) Art History Program Co-Director*. Professor Emeritus. Italian Renaissance art.

Blaise J. Tobia, MFA *(University of California, San Diego) Director of the Digital Media Program*. Professor Emeritus. Photo-based works, design, art theory.

Dance BS

Major: Dance
Degree Awarded: Bachelor of Science (BS)
Calendar Type: Quarter
Minimum Required Credits: 186.0
Co-op Options: One Co-op (Four years)
Classification of Instructional Program (CIP) code: 50.0399
Standard Occupational Classification (SOC) code: 25-1121; 27-2031; 27-2032

About the Program

The dance program at Drexel University provides intensive exploration of dance in its physical, intellectual, creative and therapeutic aspects. The major is designed for students to focus on one of the following four tracks:

- Dance/Movement Therapy
- Dance in Education
- Physical Therapy
- Performance

The dance major at Drexel University has a unique curriculum design and focus. This program combines rigorous academic coursework with extensive stage and studio dance experiences to prepare students for four possible career paths within dance: dance/movement therapy, dance in education, physical therapy and performance. Students participating in this major will earn a BS degree in dance with an optional minor in psychology.

Students focused on *dance/movement therapy* will prepare for jobs as dance/movement therapists. These are psychological counselors working in a variety of settings including hospitals, out-patient clinics and residential treatment centers. Students pursuing this option will earn a BS degree in dance at the Westphal College, through the Department of Performing Arts, for the first four years of study. They will then have the option to continue on to two years of study in the College of Nursing and Health Professions to earn an MA in Creative Arts in Therapy and become a licensed dance therapist.

The second career focus, *dance in education*, prepares students for jobs as elementary school teachers (grades Pre-K through 4) who may also serve as school dance specialists. Students choosing this option will earn a BS degree in dance through the Department of Performing Arts and may elect to continue for a fifth year of study to earn an MS in the Teaching, Learning & Curriculum through the School of Education. Students who successfully complete the five year BS/MS option in education will then be recommended to the State for a Pennsylvania Teaching Certificate in the area of Elementary Education for Pre-K to 4 certification, general education.

The third career focus, *physical therapy*, prepares students to work as physical therapists in a variety of settings, including hospitals, treatment centers, schools, and private practice. Students interested in the physical therapy option will complete the four-year BS degree in dance, along with a series of recommended electives in the physical sciences. After completion of the BS degree, students will continue their education for an additional three years in the College of Nursing and Health Professions to earn a DPT and become a licensed physical therapist.

The fourth option, *custom design*, allows students to work closely with faculty to create a personalized career in dance. Many students in this focus select *performance*, which prepares them to work as performers and/or choreographers in a variety of settings. Students interested in the performance option will complete the four-year BS degree in dance, with an emphasis on collaborative and interdisciplinary work.

The student who enters the dance major at Drexel University is an academically achieving student who has a deep curiosity for non-traditional careers in the field of dance. He or she is looking for extensive experiences to improve as a dancer, choreographer and performer while being stimulated academically. This student wants to study dance—-both physically and cognitively—in college while being offered the possibility of gainful employment after graduation.

Additional Information

For more information about this major, visit the Westphal College's Dance (http://www.drexel.edu/westphal/academics/undergraduate/DANC/) webpage.

Degree Requirements

General Education Requirements

CIVC 101	Introduction to Civic Engagement	1.0
COOP 101	Career Management and Professional Development	1.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
MATH 171	Introduction to Analysis A	3.0
MATH 172	Introduction to Analysis B	3.0
PSY 101	General Psychology I	3.0
PSY 120	Developmental Psychology	3.0
PSY 240 [WI]	Abnormal Psychology	3.0
UNIV A101	The Drexel Experience	1.0
Two English (ENGL) electives		6.0
One Art or Humanities elective		3.0
Two Natural Science electives		8.0
Free electives		40.0
Dance Major Requirements		
Foundation and Theory Requirements		
ARTH 103	History of Art III	3.0
DANC 108	Dance Improvisation I	2.0
DANC 115	Introduction to Dance	3.0
DANC 116	Dance and Fitness	3.0
DANC 117	Foundations of Somatic Theory and Practice	3.0
DANC 135	Rhythmic Study for Dance	3.0
DANC 215	Dance Appreciation	3.0
DANC 216	Introduction to Laban Movement Analysis	3.0
DANC 221	Survey of Dance and Movement Therapy	3.0
DANC 222	Dance Pedagogy	3.0
DANC 235	Dance Composition I	3.0

DANC 315	Twentieth Century Dance	3.0
DANC 316	Dance Kinesiology	3.0
DANC 335	Dance Composition II	3.0
DANC 415	Dance Aesthetics and Criticism	3.0
DANC 481	Senior Seminar in Dance	1.0
DANC 491	Senior Project in Dance [*]	3.0
MUSC 331	World Musics	3.0
NFS 100 & NFS 101	Nutrition, Foods, and Health and Introduction to Nutrition & Food	3.0
THTR 240	Theatre Production I	3.0
Performance Requirements		
DANC 131	Dance Practicum in Performance [**]	11.0
or DANC 133	Dance Practicum in Choreography	
Technique Requirements		
DANC 104	Ballet Technique I [***]	4.0
DANC 105	Modern Dance Technique I [***]	4.0
DANC 204	Ballet Technique II [†]	6.0
DANC 205	Modern Dance Technique II [†]	6.0
DANC 304	Ballet Dance Technique III [***]	4.0
DANC 305	Modern Dance Technique III [***]	4.0
Select two terms of one of the following:		4.0
DANC 106	Jazz Dance Technique I [***]	
DANC 107	Hip-Hop Dance Technique I [***]	
DANC 109	African Dance Technique I [***]	
Select one of the following:		2.0
DANC 206	Jazz Dance Technique II	
DANC 207	Hip-Hop Dance Technique II	
DANC 209	African Dance Technique II	
DANC 306	Jazz Dance Technique III	
DANC 307	Hip- Hop Technique Class III	
DANC 309	African Technique Class III	
Total Credits		**186.0**

[*]   1.0 credit course repeated for a total of 3.0 credits
[**]   For DANC 131: Sections 001, 005, 006, 007, 008 ONLY
1.0 credit course repeated 11 times for 11.0 credis.
[***]   2.0 credit course repeated for a total of 4.0 credits
[†]   2.0 credit course repeated for a total of 6.0 credits

Optional Concentrations

Students may select one of the two following concentrations in the Dance BS, or they may elect not to undertake a concentration. The required courses in the concentration will count towards to the free electives to complete the major.

Dance majors who wish to pursue the Physical Therapy track should expect to use all 8 credit hours of natural science elective and 40 free elective credit hours, plus an addition of 11.5 credit hours to fulfill the science course requirement.

Dance/Movement Therapy Concentration:

Concentration Requirements		
PSY 212	Physiological Psychology	3.0
PSY 320 [WI]	Educational Psychology	3.0
PSY 330	Cognitive Psychology	3.0
PSY 342	Counseling Psychology	3.0
Two Additional Psychology Electives		6.0
Total Credits		**18.0**

Physical Therapy Concentration:

Concentration Requirements		
BIO 131 & BIO 134	Cells and Biomolecules and Cells and Biomolecules Lab	5.0
BIO 132 & BIO 135	Genetics and Evolution and Genetics and Evolution Lab	5.0
BIO 133 & BIO 136	Physiology and Ecology and Anatomy and Ecology Lab	5.0
CHEM 101	General Chemistry I	3.5
CHEM 102	General Chemistry II	4.5
CHEM 103	General Chemistry III	4.5
HSCI 101	Anatomy and Physiology I	5.0
HSCI 102	Anatomy and Physiology II	5.0
HSCI 103	Anatomy and Physiology III	5.0
PHYS 152	Introductory Physics I	4.0
PHYS 153	Introductory Physics II	4.0
PHYS 154	Introductory Physics III	4.0
One of the following		4.5
HSCI 345	Statistics for Health Sciences	
HSCI 350	Advanced Statistics for the Health Sciences	
Total Credits		**59.0**

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plan of Study

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
DANC 104		CIVC 101	2.0	ENGL 103 or 113	1.0	VACATION	3.0
DANC 105		DANC 105	2.0	DANC 104	2.0		2.0
DANC 116		DANC 117	3.0	DANC 115	3.0		3.0
DANC 131		DANC 131	1.0	DANC 131 or 133	1.0		1.0
ENGL 101 or 111		DANC 135	3.0	PSY 101	3.0		3.0
MATH 171		ENGL 102 or 112	3.0	Free elective	3.0		3.0
NFS 100		MATH 172	2.0	Select one of the following:	3.0		2.0
NFS 101			1.0	DANC 2			

First Year (continued)

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
UNIV A101	1.0			DANC 107			
				DANC 2			
				DANC 109			
				DANC 2			
				DANC 106			
	18		**16**		**17**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARTH 103	3.0	COOP 101*	1.0	DANC 131 or 133	1.0	DANC 131 or 133	1.0
DANC 108	2.0	DANC 131 or 133	1.0	DANC 204	2.0	DANC 204	2.0
DANC 131	1.0	DANC 221	3.0	DANC 205	2.0	DANC 215	3.0
DANC 205	2.0	DANC 222	3.0	MUSC 331	3.0	Arts & Humanities elective	3.0
DANC 216	3.0	DANC 235	3.0	THTR 240	3.0	English (ENGL) elective	3.0
PSY 240	3.0	PSY 120	3.0	Free Electives	6.0	Free elective	3.0
		Select one of the following:	2.0				
		DANC 1					
		DANC 206					
		DANC 1					
		DANC 207					
		DANC 1					
		DANC 209					
	14		**16**		**17**		**15**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP EXPERIENCE		COOP EXPERIENCE		DANC 131 or 133	1.0	DANC 131 or 133	1.0
				DANC 204	2.0	DANC 304	2.0
				DANC 205	2.0	DANC 305	2.0
				DANC 315	3.0	DANC 335	3.0
				DANC 316	3.0	Natural Science elective	4.0
				DANC 481	1.0	Free electives	6.0
				Select one of the following:	2.0		
				DANC 1			
				DANC 206			
				DANC 1			
				DANC 207			
				DANC 1			
				DANC 209			
	0		**0**		**14**		**18**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits
DANC 131 or 133	1.0	DANC 131 or 133	1.0	DANC 415	3.0
DANC 305	2.0	DANC 491	1.0	DANC 491	1.0
DANC 491	1.0	DANC 305	2.0	English (ENGL) elective	3.0
Free electives	6.0	Natural Science elective	4.0	Free electives	6.0
Select two of the following:	4.0	Free electives	6.0		
DANC 1					
DANC 206					
DANC 3					
DANC 107					
DANC 2					
DANC 307					
DANC 1					
DANC 209					
DANC 3					
14		**14**		**13**	

Total Credits 186

*   COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

On Campus Full Time Students with Dance/Movement Therapy Concentration:

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
DANC 104	2.0	CIVC 101	1.0	DANC 104	2.0	VACATION	
DANC 105	2.0	DANC 105	2.0	DANC 115	3.0		
DANC 116	3.0	DANC 117	3.0	DANC 131	1.0		
DANC 131 or 133	1.0	DANC 131	1.0	ENGL 103 or 113	3.0		
ENGL 101 or 111	3.0	DANC 135	3.0	PSY 101	3.0		
MATH 171	3.0	ENGL 102 or 112	3.0	Free elective	3.0		
NFS 100	2.0	MATH 172	3.0	Select one of the following:	2.0		
NFS 101	1.0			DANC 1			
UNIV A101	1.0			DANC 107			
				DANC 1			
				DANC 205			
	18		**16**		**17**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARTH 103	3.0	COOP 101*	1.0	DANC 131 or 133	1.0	DANC 131 or 133	1.0
DANC 108	2.0	DANC 131 or 133	1.0	DANC 204	1.0	DANC 204	2.0
DANC 131 or 133	1.0	DANC 221 or 133	3.0	DANC 205	3.0	DANC 215	2.0
DANC 205	2.0	DANC 222	3.0	MUSC 331	3.0	ENGL Elective	3.0
DANC 216	3.0	DANC 235	3.0	THTR 240	3.0	Arts & Humanities Elective	3.0
PSY 240	3.0	PSY 120	3.0	PSY Elective	3.0	Free Elective	3.0
		Select one of the following:	2.0	Free Elective	3.0		
		DANC 1					
		DANC 206					
		DANC 1					
		DANC 207					
		DANC 1					

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
				DANC 209			
	14		**16**		**17**		**15**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP EXPERIENCE		COOP EXPERIENCE		DANC 131 or 133	1.0	DANC 131 or 133	1.0
				DANC 204	2.0	DANC 304	2.0
				DANC 205	2.0	DANC 305	2.0
				DANC 315 or 305	3.0	DANC 335	3.0
				DANC 316	3.0	Natural Science Elective	4.0
				DANC 481	1.0	PSY Electives	6.0
				Select one of the following:	2.0		
				DANC 1			
				DANC 206			
				DANC 1			
				DANC 207			
				DANC 1			
				DANC 209			
	0		**0**		**14**		**18**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits
DANC 131 or 133	1.0	DANC 131 or 133	1.0	DANC 415	3.0
DANC 305	2.0	DANC 305	2.0	DANC 491	1.0
DANC 491	1.0	DANC 491	1.0	ENGL Elective	3.0
Free Elective	3.0	Natural Science Elective	4.0	Free Elective	3.0
PSY Elective	3.0	PSY Electives	6.0	PSY Elective	3.0
Select two of the following:	4.0				
DANC 104					
DANC 2					
DANC 304					
DANC 1					
DANC 205					
DANC 1					
DANC 206					
DANC 3					
DANC 107					
DANC 2					
DANC 307					
DANC 1					
DANC 209					
DANC 3					
	14		**14**		**13**

Total Credits 186

* COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

On campus Full Time students with Physical Therapy Concentration:

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
BIO 131	4.0	CIVC 101	1.0	BIO 133	4.0	VACATION	
BIO 134	1.0	BIO 132	4.0	BIO 136	1.0		
DANC 131 or 133	1.0	BIO 135	1.0	DANC 131 or 133	1.0		
DANC 104	2.0	DANC 105	2.0	DANC 104	2.0		
DANC 105	2.0	DANC 117	3.0	DANC 115	3.0		
DANC 116	3.0	DANC 135	3.0	ENGL 103 or 113	3.0		
ENGL 101 or 111	3.0	ENGL 102 or 112	3.0	PSY 101	3.0		
MATH 171	3.0	MATH 172	3.0	Select one of the following:	2.0		
UNIV A101	1.0			DANC 106			
				DANC 1			
				DANC 109			
	20		**20**		**19**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
DANC 131 or 133	1.0	COOP 101*	1.0	DANC 131 or 133	1.0	DANC 131 or 133	1.0
DANC 108	2.0	DANC 131 or 133	1.0	DANC 204	1.0	DANC 215	3.0
DANC 204	2.0	DANC 205	2.0	DANC 205	2.0	HSCI 345	4.5
DANC 216	3.0	DANC 221	3.0	THTR 240	3.0	ENGL Elective	3.0
ARTH 103	3.0	DANC 222	3.0	HSCI 103	5.0	Select one of the following:	2.0
HSCI 101	5.0	DANC 235	3.0	PSY 120	3.0	DANC 1	
PSY 240	3.0	HSCI 102	5.0			DANC 107	
						DANC 1	
	19		**18**		**16**		**13.5**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP EXPERIENCE		COOP EXPERIENCE		DANC 131 or 133	1.0	DANC 131 or 133	1.0
				DANC 204	2.0	DANC 205	2.0
				DANC 315	3.0	DANC 335	3.0
				DANC 316	3.0	NFS 100	2.0
				DANC 481	1.0	NFS 101	1.0
				PHYS 152	4.0	PHYS 153	4.0
						Arts & Humanities Elective	3.0
	0		**0**		**14**		**16**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits
CHEM 101	3.5	CHEM 102	4.5	CHEM 103	4.5
DANC 131 or 133	1.0	DANC 131 or 133	1.0	DANC 131 or 133	1.0
DANC 304	2.0	DANC 304	2.0	DANC 305	2.0
DANC 305	2.0	DANC 491	1.0	DANC 415	3.0
DANC 491	1.0	ENGL Elective	3.0	DANC 491	1.0
PHYS 154	4.0	Select one of the following:	2.0	MUSC 331	3.0
		DANC 106			
		DANC 1			

DANC 109			
DANC 2			
DANC 207			
DANC 2			
DANC 306			
DANC 3			
DANC 309			
13.5	**13.5**	**14.5**	

Total Credits 197

* COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

Co-op/Career Opportunities

The dance major is designed for students to focus on one of four career options. Several of the tracks lead to graduate study at Drexel or may be completed at the end of four years. Each also includes a co-op experience that allows for extended interaction with professionals in dance therapy, physical therapy, education, and performance. Students wishing to change career focus throughout the course of the undergraduate curriculum will have the option to do so.

Students focusing on **dance/movement therapy** participate in a six month co-op experience during the spring and summer terms of their junior year. These students may participate in co-op with a practicing dance/movement therapist, community dance artist, or mental health professional in a mental health, social service, rehabilitation, medical, special education or community arts setting.

Students focusing on **physical therapy**, will participate in a six month co-op in which they work in a setting with a physical therapist, such as a hospital, treatment center, school, or private practice. Co-op experiences where students are able to work with physical therapists working on dancers as clients will be encouraged.

Students focusing on **dance in education** participate in after school dance programs, artist in residence school partnerships and auditorium lecture demonstration programs as part of a touring dance company run by the dance program at Drexel, or other dance education focused activities in a school or studio setting, during the fall and winter of their junior year as their co-op experience.

Students focusing on **custom design** or **performance** may participate in a six month co-op including performance, administration, production, event planning and grant writing. Students interested in performance will work with professional choreographers to experience multiple aspects of creating a sustainable life in performance and/or choreography.

Visit the Drexel Steinbright Career Development Center (http://www.drexel.edu/scdc/) page for more detailed information on co-op and post-graduate opportunities.

Dance Faculty

Lindsay Browning, BFA *(Bradford University)*. Adjunct Assistant Professor. Yoga

Jim Bunting, BFA *(University of the Arts, Philadelphia)*. Adjunct Assistant Professor. Jazz dance.

Tammy Carrasco, MFA *(The Ohio State Univeristy)*. Dance composition.

Dinita Clark, BFA *(University of the Arts)*. Adjunct Assistant Professor. Hip Hop dance

Antoinette Coward-Gilmore, MA *(New York University)*. Adjunct Assistant Professor. African dance, modern dance.

Mary Jo Crews, MFA *(Jacksonville University)*. Adjunct Assistant Professor. Dance Appreciation, Choreography. ABT® Certified Teacher.

Susan Deutsch Adjunct Assistant Professor. Laban Movement Analysis

Clyde Evans Adjunct Assistant Professor. Director of Chosen Dance Company; hip-hop.

Chris Farrell, MBA *(Fordham University)*. Adjunct Assistant Professor. Rhythmic studies; accompaniment.

Brittany Fishel, MFA *(University of Michigan)*. Adjunct Assistant Professor. Jazz Dance, Screen dance

Meghan Frederick, MFA *(Temple University)*. Adjunct Assistant Professor. Dance Ensemble

Kimberly Gadlin, MA *(Claremont College)*. Adjunct Assistant Professor. Modern dance.

Miriam Giguere, PhD *(Temple University) Department Head, Performing Arts*. Professor. Dance History, Aesthetic and Criticism of Dance. President of Pennsylvania Dance Education Organization

Blanca Huertas-Agnew, MFA *(Jacksonville University) Interim Program Director, Dance*. Visiting Assistant Professor. Ballet

Valerie Ifill, MFA *(University of Oregon) Director of the Youth Performance Exchange and Dornsife Dance* . Assistant Teaching Professor. Intersections of dance and the community

Jessica Kilpatrick, BFA *(University of Hartford)*. Adjunct Assistant Professor. Ballet

Beth McNamara, MA *(Hahnemann University)*. Adjunct Assistant Professor. Board-Certified Dance/Movement Therapist and Licensed Professional Counselor in Philadelphia

Dara Meredith, MFA *(Temple University)*. Adjunct Assistant Professor. Dance ensemble.

Jennifer Morley, MFA *(Temple University)*. Associate Teaching Professor. Master Pilates instructor and director of the Drexel Pilates Teaching Training program; modern dance, choreography.

Camille Moten, MFA *(Rutgers University)*. Adjunct Assistant Professor. Yoga

Olive Prince, MFA *(Temple University)*. Adjunct Assistant Professor. Choreography, creative process and improvisation; Director of Olive Prince Dance.

Albert Quesada Adjunct Assistant Professor. Modern Dance

Megan Quinn, MFA *(Temple University)*. Adjunct Assistant Professor. Somatics.

Meredith Rainey, MFA *(University of the Arts)*. Adjunct Assistant Professor. Former soloist with Pennsylvania Ballet and director of Carbon Dance Theater. Ballet, choreography.

Marion Ramirez, MFA *(Temple University)*. Adjunct Assistant Professor. Dance improv.

Hassan Syed, MFA *(Temple University)*. Adjunct Assistant Professor. Dance ensemble.

Lauren Stepanski, DPT *(Drexel University)*. Adjunct Assistant Professor. Dance kinesiology

Megan Tomey, MS *(Drexel Unviersity)*. Adjunct Assistant Professor. Dance Ensemble and FreshDance Producer.

Dance - Part-Time Professional Option BS

Major: Dance
Degree Awarded: Bachelor of Science (BS)
Calendar Type: Quarter
Minimum Required Credits: 186.0
Co-op Options: None
Classification of Instructional Program (CIP) code: 50.0399
Standard Occupational Classification (SOC) code: 25-1121; 27-2031; 27-2032

About the Program

The Part-Time Professional Dance Program provides an opportunity for professional dancers to earn their BS degree in dance through a specially designed part-time program at Drexel University's Westphal College of Media Arts and Design. Participating students will fulfill the requirements of the current dance major curriculum over an extended period of time, with the exception of the studio dance technique and performance class requirements, which will be fulfilled through their professional dance company experiences.

This program can grant up to 50.0 credit hours of studio and performance-based courses to the participating students based on their professional experiences. The remaining 136.0 credit hours include 41.0 credit hours of the general education requirement, 55.0 credit hours of Dance Major requirement, and 40.0 credit hours of free electives that are fully online.

Students who enter the program will need a high school diploma or GED equivalency. The students are expected to enroll in 2-3 courses each term with the expectations of finishing the program in four to five years.

Additional Information

For more information about this major, visit the Westphal College's Dance (http://www.drexel.edu/westphal/academics/undergraduate/DANC/) webpage.

Admission Requirements

The Dance Program is offering the online option of the Part-Time Professional BS in Dance, and SAT or ACT testing, normally required for applicants to Drexel University, may be an inaccurate predictor of academic readiness for full time professional dancers who have completed high school several years prior, or taken a GED equivalency exam. In lieu of this testing, this qualifying certificate program is a third option for assessing eligibility for the program.

Students entering the part-time dance major through the certificate program will need to complete the certificate with a GPA of 3.0 for eligibility to enter the dance major.

Degree Requirements

General Education Requirements

ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
MATH 171	Introduction to Analysis A	3.0
MATH 172	Introduction to Analysis B	3.0
PSY 101	General Psychology I	3.0
PSY 120	Developmental Psychology	3.0
PSY 240 [WI]	Abnormal Psychology	3.0
NFS 100	Nutrition, Foods, and Health	2.0
NFS 101	Introduction to Nutrition & Food	1.0
English Electives		6.0
Natural Science Electives		8.0
Free Electives		40.0

Dance Foundation & Theory Requirements

ARTH 102	History of Art II	3.0
DANC 100	Survey of Dance Studies	3.0
DANC 115	Introduction to Dance	3.0
DANC 116	Dance and Fitness	3.0
DANC 135	Rhythmic Study for Dance	3.0
DANC 215	Dance Appreciation	3.0
DANC 216	Introduction to Laban Movement Analysis	3.0
DANC 222	Dance Pedagogy	3.0
DANC 235	Dance Composition I	3.0
DANC 315	Twentieth Century Dance	3.0
DANC 316	Dance Kinesiology	3.0
DANC 415	Dance Aesthetics and Criticism	3.0
DANC 481	Senior Seminar in Dance	1.0
DANC 491	Senior Project in Dance (Repeated for a total of 3 credits)	3.0
MUSC 130	Introduction to Music	3.0
THTR 240	Theatre Production I	3.0
Courses with Residency Option*		
DANC 117	Foundations of Somatic Theory and Practice	3.0
DANC 221	Survey of Dance and Movement Therapy	3.0
DANC 335	Dance Composition II	3.0
Credits granted based on Professioanl Experience **		50.0
Performance Requirements		
DANC 131	Dance Practicum in Performance	
or DANC 133	Dance Practicum in Choreography	
DANC 225	Dance Repertory	
Technique Requirements		
DANC 104	Ballet Technique I (2 credit course repeated for a total of 4 credits)	
DANC 204	Ballet Technique II (2 credit course repeated for a total of 6 credits)	
DANC 304	Ballet Dance Technique III (2 credit course repeated for a total of 4 credits)	
DANC 105	Modern Dance Technique I (2 credit course repeated for a total of 4 credits)	
DANC 205	Modern Dance Technique II (2 credit course repeated for a total of 6 credits)	
DANC 305	Modern Dance Technique III (2 credit course repeated for a total of 4 credits)	
DANC 108	Dance Improvisation I	
Select two of the following:		
DANC 106	Jazz Dance Technique I	
DANC 107	Hip-Hop Dance Technique I	
DANC 109	African Dance Technique I	
Select one of the following:		
DANC 206	Jazz Dance Technique II	
DANC 207	Hip-Hop Dance Technique II	
DANC 209	African Dance Technique II	
DANC 306	Jazz Dance Technique III	
DANC 307	Hip- Hop Technique Class III	
DANC 309	African Technique Class III	
Total Credits		**186.0**

*   For the online part time professional dance program, three courses will not be offered online due to the nature of the course content that require physical cueing and adjustments that cannot be translated to online delivery. These three courses are:
• DANC 117: Foundations of Somatic Theory and Practice
• DANC 221: Survey of Dance/Movement Therapy
• DANC 335: Dance Composition II
To make sure the students can complete this part time program without staying on campus for a long period of time, the dance program is going to develop these courses in the short-term residency style. Each residency will be two weeks and will meet 3 hours/per day from Monday to Friday.

**   Up to 50 Credit hours will be granted based on professional experience.
Participating students fulfill the requirements of the full time dance major curriculum, with the exception of co-operative education, and the studio dance technique and performance class requirements, which will be fulfilled through their professional dance company technique classes and performance opportunities. Credit for these studio requirements will be granted as "professional life experience," providing the student is a

professional dancer working with a recognized professional dance company. Specific credits granted, up to 50 credits, will be determined by an individual review of each applicant's application.

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plan of Study

First Year (Part-Time)

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
DANC 100	3.0	DANC 104 (Professional Life Experience)*	2.0	DANC 105 (Professional Life Experience)*	2.0	DANC 107 (Professional Life Experience)*	2.0
DANC 104 (Professional Life Experience)*	2.0	DANC 105 (Professional Life Experience)*	2.0	DANC 106 (Professional Life Experience)*	2.0	MATH 171	3.0
DANC 116	3.0	DANC 115	3.0	DANC 215	3.0	PSY 101	3.0
DANC 131 or 133 (Professional Life Experience)*	1.0	DANC 135	1.0	DANC 216	3.0	DANC 131 or 133 (Professional Life Experience)*	1.0
	9		**10**		**10**		**9**

Second Year (Part-Time)

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ENGL 101 or 111	3.0	ENGL 102 or 112	3.0	ENGL 103 or 113	3.0	DANC 107 (Professional Life Experience)*	2.0
DANC 108 (Professional Life Experience)*	2.0	DANC 204 (Professional Life Experience)*	2.0	DANC 204 (Professional Life Experience)*	2.0	DANC 117	3.0
DANC 204 (Professional Life Experience)*	2.0	DANC 205 (Professional Life Experience)*	2.0	DANC 205 (Professional Life Experience)*	2.0	PSY 120	3.0
NFS 100	2.0	DANC 222	3.0	DANC 315	3.0	DANC 205 (Professional Life Experience)*	2.0
NFS 101	1.0						
	10		**10**		**10**		**10**

Third Year (Part-Time)

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
DANC 131 or 133 (Professional Life Experience)*	1.0	ARTH 102	3.0	DANC 316	3.0	DANC 131 or 133 (Professional Life Experience)*	1.0
DANC 304 (Professional Life Experience)*	2.0	DANC 131 or 133 (Professional Life Experience)*	1.0	THTR 240	3.0	DANC 221	3.0
MATH 172	3.0	DANC 235	3.0	ENGL Elective	3.0	DANC 335	3.0
PSY 240	3.0	DANC 305 (Professional Life Experience)*	2.0	DANC 131 or 133 (Professional Life Experience)*	1.0	Free Elective	3.0
	9		**9**		**10**		**10**

Fourth Year (Part-Time)

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
DANC 304 (Professional Life Experience)*	2.0	DANC 305 (Professional Life Experience)*	2.0	DANC 131 or 133 (Professional Life Experience)*	1.0	MUSC 130	3.0
Natural Science Elective	4.0	Natural Science Elective	4.0	DANC 306 (Professional Life Experience)*	2.0	ENGL Elective	3.0
Free Elective	4.0	Free Elective	3.0	DANC 415	3.0	Free Elective	3.0
				Free Elective	3.0		
	10		**9**		**9**		**9**

Fifth Year (Part-Time)

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
DANC 306, 307, or 309 (Professional Life Experience)*	2.0	DANC 131 or 133 (Professional Life Experience)*	1.0	DANC 131 or 133 (Professional Life Experience)*	1.0	DANC 131 or 133 (Professional Life Experience)*	1.0
DANC 481	1.0	DANC 491	1.0	DANC 491	1.0	DANC 491	1.0
Free Electives	6.0	Free Electives	6.0	Free Electives	6.0	Free Electives	6.0
	9		**8**		**8**		**8**

Total Credits 186

*   *Participating students fulfill the requirements of the full time dance major curriculum, with the exception of co-operative education, and the studio dance technique and performance class requirements, which will be fulfilled through their professional dance company technique classes and performance opportunities. Credit for these studio requirements will be granted as "professional life experience," providing the student is a professional dancer working with a recognized professional dance company. Specific credits granted, up to 50 credits, will be determined by an individual review of each applicant's application.*

Design & Merchandising BS

I *(p. 119)Major: Design and Merchandising*
Degree Awarded: Bachelor of Science (BS)
Calendar Type: Quarter
Minimum Required Credits: 181.0
Co-op Options: One Co-op (Four years)
Classification of Instructional Programs (CIP) code: 50.0499
Standard Occupational Classification (SOC) code: 13-1022

About the Program

Drexel's innovative Design & Merchandising (D&M) major integrates visual design, merchandising, and business insight for the fashion lifestyle industries. The Bachelor of Science degree educates students to conceptualize, plan, develop, market, and measure the opportunity for products and services for consumers through physical stores, online channels, televised content, and interactive media. Students develop thorough knowledge of how products come to life through sustainable textiles, design, and production, and strategize the optimal assortment, inventory, and pricing for business goals. The multidisciplinary curriculum, based on both theory and practice, is delivered through immersive, experiential learning. Graduates work across the fashion lifestyle industries engaged in creative strategies, dynamic merchandise assortments, and new product lines for global consumer markets.

The D&M program is ranked in the top four of fashion merchandising colleges in the United States by fashion-schools.org (https://www.fashion-schools.org/articles/top-50-fashion-merchandising-schools-and-colleges-us-2022-rankings/) and in the top fifteen of fashion and business management programs in the world by Business of Fashion (https://www.businessoffashion.com/education/best-schools/undergraduate/fashion-business/) and highlighted as best overall, best in global influence and best in learning experience. Drexel is one of the nation's top universities located in Philadelphia, the sixth largest city, with easy access to the city's rich cultural life, vibrant design scene, and pivotal retail and entrepreneurial marketplace. From buying and fashion marketing to sustainability and product development, companies in Philly, New York City, Boston, California and other cities offer students a variety of career paths in wholesale, retail, textiles, sourcing, media, marketing, visual merchandising, and public relations.

Program: Discover a Dynamic Future in the Fashion Lifestyle Industries

Students will participate in Drexel's renown cooperative education (co-op) program (https://drexel.edu/scdc/co-op/undergraduate/), spending six months away from the classroom gaining in-demand career skills, bringing products and services to consumers, and receiving exposure to valuable industry networks. Co-op employers include Urban Outfitters, TJX, Nicole Miller, Marchesa, Fashion Snoops, and others.

Students take fashion business courses that promote real-world project-based learning. Students work in functional teams exploring business challenges and mapping out opportunities. Industry professionals and fashion merchandising entrepreneurs mentor students and critique business strategies.

Students expand their global intelligence through robust study abroad options from the Office of Global Engagement (https://drexel.edu/studyabroad/), including the highly popular London College of Fashion, Accademia Italiana in Florence, and Ecole Superiere de Commerce Exterieur (ESCE) in Paris.

Students will tailor their interests and passions via career pathway electives allowing targeted study in ecommerce, fashion marketing, communications, magazine and media publication, product development, entrepreneurship, and others. Students also produce the award-winning D&M Magazine *(*https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fissuu.com%2Fdesignandmerchandising%2Fdocs%2F2020_d_m_magazine_web&data=04%7C01%7Ccdb93%40drexel.edu%7C55d6250dd2bf419ab67908d921eab3b9%7C3664e6fa47bd45a696708c4f080f8ca6%7C0%7C0%7C637578114177416983%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=PexotEWxz6sGBQp16HZa6Xlxa4k5OrEYgRwQrceUV6k%3D&reserved=0)*).

Students will learn in a fashion merchandising program that has sustainability integrated throughout the curriculum along with courses that evaluate the intersection of society, culture, and fashion.

Dual/Accelerated Degree Programs

Expand your career prospects in the dynamic world of fashion and unlock additional opportunities through our flexible dual-degree programs, allowing you to earn a Master of Science (MS) in Retail & Merchandising (p. 124) or a Master of Business Administration (MBA) (p. 119), empowering you with a well-rounded skill set for success in the fashion industry.

Additional Information

For more information about this major, visit the College's Design & Merchandising (http://www.drexel.edu/westphal/academics/undergraduate/DSMR/) page.

Degree Requirements

Students pursuing the Bachelor of Science in Design & Merchandising have 31.0 Career Pathway electives of their choosing. These electives enable students to pursue specific areas of study in **Merchandising, Buying, e-commerce & Retail Operations, Marketing, Media, Marketing and Public Promotion**; **Product Development and Sourcing, Fashion Sustainability, Fashion Technology, Beauty Merchandising and Marketing, Fashion Entrepreneurship and Graduate School Preparation** (see our dual degree options) (p. 34)**.** In addition, electives can be used for focused study in Media Merchandising (D&M Magazine), Fashion Show Production, optional Study Abroad courses, and/or pursuit of a minor.

General Education Requirements		
CIVC 101	Introduction to Civic Engagement	1.0
COOP 101	Career Management and Professional Development [*]	1.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
ENVS 160	Environment in the News	2.0
ENVS 260	Environmental Science and Society	3.0
GEO 111	Natural Disasters	3.0
MATH 119	Mathematical Foundations for Design	4.0
UNIV A101	The Drexel Experience	1.0
Required Arts and Humanities		
COM 220	Qualitative Research Methods	3.0
COM 230	Techniques of Speaking	3.0
Arts and Humanities elective [**]		3.0
Required Social Science		
Select one of the following:		3.0
AFAS 301	Politics of Hip Hop	
PSY 150	Introduction to Social Psychology	
WGST 324	Retail Intersections: Social & Cultural Issues	
Social Science electives [***]		6.0
Visual Studies Requirements		
ARTH 103	History of Art III	3.0
Select two of the following:		6.0
ARTH 301	Asian Art and Culture	
ARTH 302	Art of India	
ARTH 303	Art of China	
ARTH 304	Art of Japan	
ARTH 314	Contemporary Art	
ARTH 315	History of African-American Art	
ARTH 316	African Art	
ARTH 331 [WI]	Global Material Culture	
ARTH T380	Special Topics in Art History	
ARTH T480	Special Topics in Art History	
PHTO 110	Photography	3.0
VSST 101	Design I	4.0
VSST 102	Design II	4.0
VSST 103	Design III	4.0
VSST 110	Introductory Drawing	3.0

Professional Requirements		
ACCT 110	Accounting for Professionals	4.0
ARTH 335 [WI]	History of Costume I: Preclassical to 1800	3.0
COM 181	Public Relations Principles and Theory	3.0
DSMR 100	Computer Imaging I	3.0
DSMR 103	Introduction to the Fashion Industry	3.0
DSMR 201	Analysis of Product	3.0
DSMR 210	Presentation Techniques Design and Merchandising	3.0
DSMR 215	Digital Commerce & Promotion	3.0
DSMR 211	Digital Design for Design and Merchandising	3.0
DSMR 230	Textiles for Design and Merchandising	3.0
DSMR 231	Retail Operations	3.0
DSMR 232	Merchandise Planning and Buying	4.0
DSMR 300	Design and Merchandising Trends and Impact	3.0
DSMR 310	Merchandising Operations & Management	3.0
DSMR 311	Visual Merchandising	3.0
DSMR 333	Fashion Product Development and Sourcing	3.0
DSMR 464	Merchandising Analytics	3.0
DSMR 477 [WI]	Design and Merchandising Seminar	3.0
DSMR 496 [WI]	Senior Problem in Design and Merchandising	3.0
ECON 201	Principles of Microeconomics	4.0
ENTP 105	Entrepreneurial Thinking	3.0
MKTG 201	Introduction to Marketing Management	4.0
MKTG 321	Selling and Sales Management	4.0
or MKTG 326	Marketing Insights	
or MKTG 344	Professional Personal Selling	
or MKTG 356	Consumer Behavior	
or MKTG 362	Brand and Reputation Management	
PHIL 301	Business Ethics	3.0
PROD 215	Design Thinking in Product Design	4.0
Career Pathway Electives [†]		31.0
Total Credits		**181.0**

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

        COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

**   Select 9.0 credits from 100-499 level courses, including T380-480 in AFAS, ARTH, ARCH, COM, DANC, ENGL, FMST, GST, HIST, INTR, IST, JWST, LANG, LING, MENA, MUSC, PHIL, PHTO, PPE, PBHL, RELS, SCRP, THTR, TVST, VSCM, WGST, and WRIT.
        Suggested Arts and Humanities electives: ENGL 303, ENGL 335, HIST 163.

***   Select 9.0 credits from 100-499 level courses, including T380-T480, in AFAS, ANTH, CJS, CS, ECON, ENSS, ENVS, PSI, PSY, PBHL, SOC, and WGST.
        Suggested Social Science electives: SOC 210, SOC 215, SOC 240, SOC 340, SOC I499.

†   Career Pathway electives enable students to pursue specific areas of study which compliment the Design & Merchandising major and the student's desired career pathway.

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plans of Study

4 year, 1 coop (Fall/Winter)

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
DSMR 103	3.0	DSMR 100	3.0	CIVC 101	1.0	VACATION	
ENGL 101 or 111	3.0	DSMR 230	3.0	DSMR 201	3.0		
ENVS 260	3.0	ENGL 102 or 112	3.0	ENGL 103 or 113	3.0		
UNIV A101	1.0	GEO 111	3.0	ENVS 160	2.0		
VSST 101	4.0	VSST 102	4.0	MATH 119	4.0		
VSST 110	3.0			VSST 103	4.0		
	17		**16**		**17**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ACCT 110	4.0	ARTH 103	3.0	DSMR 210 or 215	3.0	COM 230, 220, or 181	3.0
COM 181, 220, or 230	3.0	COM 220, 181, or 230	3.0	DSMR 232 (or Career Pathway Elective)	4.0	DSMR 215 (or Career Pathway Elective)	3.0
DSMR 211	3.0	COOP 101*	1.0	ECON 201	4.0	ENTP 105	3.0
DSMR 231 (or Art History Elective)	3.0	DSMR 210 or 211	3.0	MKTG 201	3.0	PHTO 110	3.0
Select one from the following:	3.0	DSMR 215 or PHTO 110	3.0		3.0	Career Pathway Elective	3.0
AFAS 301		DSMR 231 or 232 (or Art History Elective)	3.0		3.0		
PSY 150							
WGST 324							
	16		**16**		**15**		**15**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP EXPERIENCE		COOP EXPERIENCE		DSMR 300 or 477	3.0	DSMR 311 (or Art History Elective)	3.0
				DSMR 310	3.0	DSMR 477 or 300	3.0
				DSMR 311 (or Art History Elective)	3.0	PROD 215 (or Marketing Choice)	4.0
				DSMR 333	3.0	Social Science Elective	3.0
				Career Pathway Elective	4.0		
	0		**0**		**16**		**13**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits
ARTH 335 or DSMR 464	3.0	DSMR 464 or ARTH 335	3.0	PHIL 301	3.0
DSMR 496 (or Career Pathway Elective)	3.0	DSMR 496 (or Career Pathway Elective)	3.0	Arts and Humanities Elective	3.0
PROD 215 (or Marketing Choice)	4.0	Career Pathway Elective	8.0	Career Pathway Elective	3.0
Career Pathway Elective	4.0			Social Science Elective	3.0
	14		**14**		**12**

Total Credits 181

* Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

4 year, 1 coop (Fall/Winter - London Option)

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
DSMR 103	3.0	DSMR 100	3.0	CIVC 101	1.0	VACATION	
ENGL 101 or 111	3.0	DSMR 230	3.0	DSMR 201	3.0		

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ENVS 260	3.0	ENGL 102 or 112	3.0	ENGL 103 or 113	3.0		
UNIV A101	1.0	GEO 111	3.0	ENVS 160	2.0		
VSST 101	4.0	VSST 102	4.0	MATH 119	4.0		
VSST 110	3.0			VSST 103	4.0		
	17		**16**		**17**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ACCT 110	4.0	ARTH 103	3.0	DSMR 210 or 215	3.0	COM 230, 220, or 181	3.0
COM 181, 220, or 230	3.0	COM 220, 181, or 230	3.0	DSMR 232 (or Career Pathway Elective)	4.0	DSMR 477	3.0
DSMR 211	3.0	COOP 101*	1.0	ECON 201	4.0	ENTP 105	3.0
DSMR 231 (or Art History Elective)	3.0	DSMR 210 or 211	3.0	MKTG 201	3.0	PHTO 110 or DSMR 215	3.0
Select one of the following:	3.0	DSMR 215 or PHTO 110	3.0		3.0	Career Pathway Elective	3.0
AFAS 301		DSMR 231 or 232 (or Art History Elective)	3.0		3.0		
PSY 150							
WGST 324							
	16		**16**		**15**		**15**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP EXPERIENCE		COOP EXPERIENCE		DSMR 300 or 477	3.0	London Classes	
				DSMR 310	3.0	Art History Elective	3.0
				DSMR 311	3.0	Career Pathway Electives	9.0
				DSMR 333	3.0	Social Science Elective	3.0
				PROD 215 (or Career Pathway Elective)	4.0		
	0		**0**		**16**		**15**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits
ARTH 335 or DSMR 464	3.0	DSMR 464 or ARTH 335	3.0	DSMR 300 (or Career Pathway Elective)	3.0
DSMR 496 (or Career Pathway Elective)	3.0	DSMR 496 (or Career Pathway Elective)	3.0	PHIL 301	3.0
PROD 215 (or Marketing Choice)	4.0	PROD 215 (or Marketing Choice)	4.0	Arts and Humanities Elective	3.0
Social Science Elective	3.0	Career Pathway Elective	3.0	Career Pathway Elective	3.0
	13		**13**		**12**

Total Credits 181

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

4 year, 1 coop (Spring/Summer)

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
DSMR 103	3.0	DSMR 100	3.0	CIVC 101	1.0	VACATION	
ENGL 101 or 111	3.0	DSMR 230	3.0	DSMR 201	3.0		
ENVS 260	3.0	ENGL 102 or 112	3.0	ENGL 103 or 113	3.0		
UNIV A101	1.0	GEO 111	3.0	ENVS 160	2.0		
VSST 101	4.0	VSST 102	4.0	MATH 119	4.0		
VSST 110	3.0			VSST 103	4.0		
	17		**16**		**17**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ACCT 110	4.0	ARTH 103	3.0	DSMR 210 or 215	3.0	COOP 101*	1.0

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COM 181, 220, or 230	3.0	COM 220, 230, or 181	3.0	DSMR 232 (or Career Pathway Elective)	4.0	COM 230, 220, or 181	3.0
DSMR 211	3.0	DSMR 210 or 211	3.0	ECON 201	4.0	ENTP 105	3.0
DSMR 231 (or Art History Elective)	3.0	DSMR 215 or PHTO 110	3.0	MKTG 201	4.0	PHTO 110 or DSMR 215	3.0
Select one of the following:	3.0	DSMR 231 or 232 (or Art History Elective)	3.0		3.0	Career Pathway Electives	6.0
AFAS 301							
PSY 150							
WGST 324							
	16		**15**		**15**		**16**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
DSMR 300 or 477	3.0	DSMR 311 (or Art History Elective)	3.0	COOP EXPERIENCE		COOP EXPERIENCE	
DSMR 310	3.0	DSMR 477 or 300	3.0				
DSMR 311 (or Career Pathway Elective)	3.0	PROD 215 (or Marketing Choice)	4.0				
DSMR 333	3.0	Social Science Elective	3.0				
Career Pathway Elective	4.0						
	16		**13**		**0**		**0**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits
ARTH 335 or DSMR 464	3.0	DSMR 300 or PHIL 301	3.0	PHIL 301 or DSMR 300	3.0
DSMR 496 (or Career Pathway Elective)	3.0	DSMR 464 or ARTH 335	3.0	Arts and Humanities Elective	3.0
PROD 215 (or Marketing Choice)	4.0	DSMR 496 (or Career Pathway Elective)	3.0	Career Pathway Elective	4.0
Career Pathway Elective	4.0	Career Pathway Elective	4.0	Social Science Elective	3.0
	14		**13**		**13**

Total Credits 181

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

Co-op/Career Opportunities

The Drexel Co-op experience is a renowned collegiate program and the essence of the Drexel Difference in the Westphal College of Media Arts & Design. Design & Merchandising students spend a minimum of six months (two terms) working in positions during which they apply classroom and studio skills to an actual work experience within their chosen professions. Design & Merchandising students leave for co-op academically equipped to be part of a company, and return as young business professionals having integrated classroom knowledge into the workplace and improved their resume.

Students who complete the Bachelor of Science in D&M from Drexel are prepared for success in a wide range of Career Pathways.

Merchandising, Buying, E-commerce & Retail Operations

- Account Executive/Sales Director
- Assistant, Associate or Senior Buyer
- Showroom Sales Representative
- Merchandise Manager (Digital and Store)
- Operations Manager
- Store Leadership (Regional and District)
- Purchasing
- Visual Merchandiser

- Allocation & Planning
- E-commerce Merchandiser

Media, Marketing & Promotion

- Fashion Marketing Coordinator
- Digital Marketing Specialist
- Market Research Analyst
- Product Campaign Specialist
- Public Relations Specialist
- Social Media Manager
- Brand Manager
- Marketing Researcher
- Fashion Forecaster
- Fashion Magazine Editor
- Stylist
- Creative Director
- Content Creator
- Influencer Marketing Manager
- Event Coordinator

Product Development and Sourcing

- Product Development Manager
- Fabric Manager/Materials Developer
- Sustainability Coordinator
- Trim Developer
- Quality Control Specialist
- Product Line Developer
- Sourcing & Production Manager
- CAD Specialist

Fashion Entrepreneurship

- Store Owner
- Freelancer
- Brand Creator

Learn more about how our alumni (https://drexel.edu/westphal/academics/undergraduate/DSMR/alumni-spotlight/) have succeeded across the business of fashion.

1.
2.

Co-op Experiences

Some past co-op employments of design and merchandising students include:

- Assistant Buyer, Urban Outfitters/Anthropologie/Free People, Philadelphia, PA
- Merchandising Co-op, TJX Companies, Framingham, MA
- Merchandising Assistant, Nation Design, New York, NY
- Product Development, Boathouse Sports, Philadelphia, PA
- Social Media Engagement Co-op, AP Brand Group, Philadelphia, PA
- Merchandising Co-op, Mundi Westport Group, New York, NY
- Pattern & Graphics Trend Forecast Co-op, Fashion Snoops, New York, NY
- Public Relations Assistant, QVC, West Chester, PA
- Assistant Merchandiser/Wholesales Co-op, Few Moda Inc., New York, NY
- Fashion Sales and Merchandising Co-op, Program F Showroom, Philadelphia, PA

- Fashion PR/Social Media & Influencer Marketing Co-op, Krupp Group, New York, NY
- Showroom Sales Co-op, Marchesa, New York, NY
- Public Relations Assistant, Neiman Marcus, King of Prussia, PA
- Design/Market Co-op, Charlotte Ronson, New York, NY
- Public Relations Co-op, KB Brand Partners, New York, NY
- Marketing Co-op, Lagos, Philadelphia, PA
- Production Co-op, Derek Lam, New York, NY
- Social Media/Brand Ambassador/Merchandising Assistant, Nicole Miller, Philadelphia, PA

Visit the Drexel Steinbright Career Development Center (http://www.drexel.edu/scdc/) page for more detailed information on co-op and post-graduate opportunities.

Design & Merchandising Faculty

Christine Baeza, MLD *(Penn State University)*. Assistant Teaching Professor. Ethics, social entrepreneurship sustainability, design thinking, brand and merchandising management, textiles, textile designs and the circular economy.

Nick Cassway, BFA *(Tyler School of Art)*. Associate Teaching Professor. Curating; experimental portraiture; computer design.

Maureen DeSimone, MBA *(Colorado State University)*. Assistant Teaching Professor. Sales, brand and portfolio strategy, merchandising, new business startups, revenue and profit growth, team building, and leadership.

Joseph H. Hancock, II, PhD *(Ohio State University) Retail & Merchandising Program Director*. Professor. Apparel merchandising, retail operations, brand culture, GLBTQIA lifestyles and marketing fashion strategies.

Rachel Higgins, MS *(LIM College)*. Instructor. Fashion sustainability, textiles, entrepreneurship, fashion presentation and show production.

Matthew Higgins, MFA *(PA Academy of Fine Arts)*. Adjunct Instructor. Design foundations, Adobe Creative Suite, color and painting.

Alison Katz, MS *(New York University)*. Adjunct Instructor. Multichannel buying and planning, digital strategy, site merchandising, and category content management.

Alphonso McClendon, MS *(Drexel University) Associate Program Director*. Associate Professor. Sourcing strategies for the apparel and textile industry, fashion business practice and entrepreneurship, merchandise operations and management, retail analytics and digital design.

Kimberly McGlonn, PhD *(Louisiana State University)*. Instructor. Founder & CEO Grant Blvd ®

Dominic Monte, Grad Cert *(Villanova University)*. Adjunct Instructor. Digital design, branding and creative communication.

Digital Media and Virtual Production BS

Major: Digital Media and Virtual Production
Degree Awarded: Bachelor of Science (BS)
Calendar Type: Quarter
Minimum Required Credits: 187.0
Co-op Options: One Co-op (Four years); Three Co-op (Five years)
Classification of Instructional Programs (CIP) code: 09.0702
Standard Occupational Classification (SOC) code: 11-9199

About the Program

The Digital Media & Virtual Production program encompasses a unique combination of skills and principles used by industry for the development and execution of a Virtual Reality (VR), Augmented Reality (AR), other forms of Immersive Media including Virtual Production. Among these are creative thinking, understanding of design, aesthetic sensitivity, and storytelling balanced with technical knowledge in areas such as 3D Computer Graphics, Animation, Visual Effects, real-time 3D graphics, interactivity, digital camera and image processing technologies. Additionally, critical thinking, the ability to collaborate effectively and communication skills are also integral to success in this rapidly expanding industry.

Drexel's Bachelor of Science in Digital Media & Virtual Production program encompasses foundation courses in the applied and social sciences, the humanities, and a wide range of professional digital media coursework to prepare students for careers in Virtual Production, VR/AR and related Immersive Media fields. At the heart of the curriculum are the design and production labs and workshops where students are challenged to apply their knowledge acquired from the above disciplines to consequential design problems.

Courses required by this major are predominantly conducted in-person, on campus. However, given the virtual focus of the major itself, a select number of courses are conducted via virtual modalities to engage a diverse population of instructors and students from beyond campus boundaries, as well as exercise the practice and application of virtual technologies and disciplines.

Additional Information

For more information about this major, visit the Westphal College's Digital Media & Virtual Production (https://drexel.edu/westphal/academics/undergraduate/virtual-reality/) web page.

Admission Requirements

In addition to standard application requirements, VRIM requires program director review of an additional, major specific essay question and applicant portfolio.

Degree Requirements

General Education		
CIVC 101	Introduction to Civic Engagement	1.0
COM 230	Techniques of Speaking	3.0
COOP 101	Career Management and Professional Development [*]	1.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
MATH 101	Introduction to Analysis I	4.0
PHYS 170	Electricity and Motion	3.0
PHYS 171	Computational Lab for Electricity and Motion	1.0
PHYS 175	Light and Sound	3.0
PHYS 176	Computational Lab for Light and Sound	1.0
UNIV A101	The Drexel Experience	2.0
Required Arts and Humanities-students elect a minimum of 9.0 credits [**]		9.0
Required Social Science-students elect a minimum of 9.0 credits [***]		9.0
Free electives		24.0
Art and Art History Requirements		
ARTH 102	History of Art II	3.0
ARTH 103	History of Art III	3.0
ARTH 300 [WI]	History of Modern Design	3.0
VSST 108	Design I for Media	3.0
VSST 109	Design II for Media	3.0
VSST 110	Introductory Drawing	3.0
VSST 111	Figure Drawing I	3.0
VSST 210	Painting Basics	3.0
Media and Computer Science Requirements		
CS 171	Computer Programming I	3.0
FMTV 206	Audio Production and Post	3.0
Digital Media Requirements		
ANIM 140	Computer Graphics Imagery I	3.0
ANIM 145	Realtime Visualization	3.0
ANIM 155	Previsualization for Animated Production	3.0
ANIM 211	Animation I	3.0
ANIM 212	Animation II	3.0
ANIM 215	History of Animation	3.0
ANIM 220	Digital Compositing I	3.0
DIGM 105	Overview of Digital Media	3.0
DIGM 350 [WI]	Digital Storytelling	3.0
DIGM 451 [WI]	Explorations in New Media	3.0
DIGM 475 [WI]	Seminar: The Future of Digital Media	3.0
DIGM 490	Digital Media Senior Project [†]	9.0
DIGM 491	Digital Media Senior Project Studio [†]	3.0
GMAP 260	Overview of Computer Gaming	3.0
IDM 100	Introduction to Web Development	3.0

Virtual Production Requirements

VRIM 100	Digital Tools for Immersive Media	3.0
VRIM 110	Digital Imaging for Immersive Media	3.0
VRIM 120	Immersive Production Lab I	3.0
VRIM 220	Immersive Production Lab II	3.0
VRIM 250	Professional Practices for Immersive Media	3.0
VRIM 310	Immersive Media Workshop I	3.0
VRIM 320	Immersive Media Workshop II	3.0
VRIM 388	Motion Capture I	3.0
Virtual Production Electives (Choose 4 of the following)		**12.0**
ANIM 141	Computer Graphics Imagery II	
ANIM 221	Digital Compositing II	
ANIM 248	Advanced Lighting	
ANIM 301	Procedural Animation	
ANIM 410	Advanced Compositing	
ANIM 411	Advanced Animation	
CS 172	Computer Programming II	
CS 265	Advanced Programming Tools and Techniques	
DIGM 308 [WI]	Digital Cultural Heritage	
GMAP 345	Game Development Foundations	
GMAP 367	Character Animation for Gaming	
VRIM 488	Motion Capture II	
VRIM I199	Independent Study in Immersive Media	
VRIM I299	Independent Study in Immersive Media	
VRIM I399	Independent Study in Immersive Media	
VRIM I499	Independent Study in Immersive Media	
VRIM T180	Special Topics in Immersive Media	
VRIM T280	Special Topics in Immersive Media	
VRIM T380	Special Topics in Immersive Media	
VRIM T480	Special Topics in Immersive Media	
Total Credits		**187.0**

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

         COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

**   Select 9.0 credits from 100-499 level courses, including T380-480 in AFAS, ARTH, COM, ENGL, FMST, GST, HIST, IST, JWST, LANG, LING, MENA, MUSC, PHIL, PPE, PBHL, SCRP, THTR, TVST, WGST, WRIT, ARCH, DANC, INTR, PHTO, RELS, and VSCM.

***   Select 9.0 credits from 100-499 level courses, including T380-T480, in AFAS, ANTH, CJS, CS, ECON, ENSS, ENVS, PSI, PSY, PBHL, SOC, and WGST.

†   DIGM 490 and DIGM 491 are repeated 3 times each to complete the DIGM Capstone Senior Project sequence.

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plan of Study

4 year, 1 coop

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ENGL 101 or 111	3.0	ANIM 140	3.0	ANIM 145	3.0	VACATION	
PHYS 170	3.0	ENGL 102 or 112	3.0	CIVC 101	1.0		
PHYS 171	1.0	PHYS 175	3.0	DIGM 105	3.0		
UNIV A101	1.0	PHYS 176	1.0	ENGL 103 or 113	3.0		
VRIM 100	3.0	UNIV A101	1.0	MATH 101	4.0		
VRIM 120	3.0	VRIM 110	3.0	VSST 109	3.0		
VSST 110	3.0	VSST 108	3.0				
	17		**17**		**17**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ANIM 155	3.0	ANIM 212	3.0	ANIM 220	3.0	COM 230	3.0
ANIM 211	3.0	ANIM 215	3.0	ARTH 103	3.0	COOP 101*	1.0
CS 171	3.0	ARTH 102	3.0	VRIM 220	3.0	DIGM 350	3.0
GMAP 260	3.0	IDM 100	3.0	VRIM 388	3.0	FMTV 206	3.0
VSST 210	3.0	VSST 111	3.0	Free Elective	3.0	VRIM 250	3.0
						Immersive Media Elective	3.0
	15		**15**		**15**		**16**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARTH 300	3.0	DIGM 475	3.0	COOP EXPERIENCE		COOP EXPERIENCE	
DIGM 451	3.0	VRIM 320	3.0				
VRIM 310	3.0	Arts and Humanities Elective	3.0				
Free Elective	3.0	Immersive Media Elective	3.0				
Immersive Media Elective		Social Science Elective	3.0				
	15		**15**		**0**		**0**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits
DIGM 490	3.0	DIGM 490	3.0	DIGM 490	3.0
DIGM 491	1.0	DIGM 491	1.0	DIGM 491	1.0
Arts and Humanities Elective	3.0	Free Electives	6.0	Arts and Humanities Elective	3.0
Free Elective	3.0	Social Science Elective	3.0	Free Electives	9.0
Immersive Media Elective	3.0				
Social Science Elective	3.0				
	16		**13**		**16**

Total Credits 187

* Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

  COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

5 year, 3 coop

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ENGL 101 or 111	3.0	ANIM 140	3.0	ANIM 145	3.0	VACATION	
PHYS 170	3.0	COOP 101*	1.0	CIVC 101	1.0		
PHYS 171	1.0	ENGL 102 or 112	3.0	DIGM 105	3.0		
UNIV A101	1.0	PHYS 175	3.0	ENGL 103 or 113	3.0		
VRIM 100	3.0	PHYS 176	1.0	MATH 101	4.0		

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
VRIM 120	3.0	UNIV A101	1.0	VSST 109	3.0		
VSST 110	3.0	VRIM 110	3.0				
		VSST 108	3.0				
	17		**18**		**17**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP EXPERIENCE		COOP EXPERIENCE		ANIM 155	3.0	ANIM 212	3.0
				ANIM 211	3.0	ANIM 215	3.0
				CS 171	3.0	ARTH 102	3.0
				GMAP 260	3.0	IDM 100	3.0
				VSST 210	3.0	VSST 111	3.0
	0		**0**		**15**		**15**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP EXPERIENCE		COOP EXPERIENCE		ANIM 220	3.0	COM 230	3.0
				ARTH 103	3.0	DIGM 350	3.0
				VRIM 220	3.0	FMTV 206	3.0
				VRIM 388	3.0	VRIM 250	3.0
				Free Elective	3.0	Immersive Media Elective	3.0
	0		**0**		**15**		**15**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP EXPERIENCE		COOP EXPERIENCE		ARTH 300	3.0	DIGM 475	3.0
				DIGM 451	3.0	VRIM 320	3.0
				VRIM 310	3.0	Arts and Humanities Elective	3.0
				Free Elective	3.0	Immersive Media Elective	3.0
				Immersive Media Elective	3.0	Social Science Elective	3.0
	0		**0**		**15**		**15**

Fifth Year

Fall	Credits	Winter	Credits	Spring	Credits
DIGM 490	3.0	DIGM 490	3.0	DIGM 490	3.0
DIGM 491	1.0	DIGM 491	1.0	DIGM 491	1.0
Arts and Humanities Elective	3.0	Free Electives	6.0	Arts and Humanities Elective	3.0
Free Elective	3.0	Social Science Elective	3.0	Free Electives	9.0
Immersive Media Elective	3.0				
Social Science Elective	3.0				
	16		**13**		**16**

Total Credits 187

* Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

Digital Media Faculty

Alexus Aiken, MS *(Drexel University)*. Visting Instructor.

Paul Diefenbach, PhD *(University of Pennsylvani)*. Associate Professor. Game development, real-time rendering

Troy Finamore, MS *(Drexel University) Program Director, User Experience & Interaction Design*. Teaching Professor. User interface design, interaction design, user experience design, and user research.

Aroutis N. Foster, PhD *(Michigan State University) Associate Dean for Academic Affairs and Graduate Studies*. Professor. Educational psychology and educational technology, especially the following: Motivation; Technological Pedagogical Content Knowledge (TPACK); Immersive Interactive Digital Environments (simulation, games, virtual realities.

Nick Jushchyshyn, MFA *(Academy of Art University) Program Director, VR & Immersive Media*. Associate Professor. Visual effects, digital media and animation.

Frank J. Lee, PhD *(Carnegie Mellon University)*. Professor. Human-computer interaction; cognitive engineering and science, intelligent software agents for games and education.

Robert Lloyd, MFA *(Temple University) Program Director, Game Design & Production*. Associate Teaching Professor. Game development, themed entertainment and motion simulation

David Mauriello, BA *(Lafayette College)*. Assistant Professor. 3D modeling and animation.

Glen Muschio, PhD *(Temple University)*. Associate Professor. Digital media, society, communication

Santiago Ontañón, PhD *(University of Barcelona)*. Associate Professor. Game AI, computer games, artificial intelligence, machine learning, case-based reasoning

Stefan Rank, PhD *(Vienna University of Technology)*. Associate Professor. Artificial intelligence, game design and human-computer interaction

Jervis Thompson, BS *(Drexel University)*. Teaching Professor. Digital media, interactive multimedia

Michael Wagner, PhD *(Vienna University of Technology) Program Director, Digital Media*. Associate Professor. Educational use of digital media and computer games.

Jichen Zhu, PhD *(Georgia Institute of Technology)*. Associate Professor. Developing humanistic and interpretive framework of computational technology, particularly artificial intelligence (AI), and constructing AI-based cultural artifacts; interactive storytelling, games and software studies.

Emeritus Faculty

Theo Artz, BFA *(Tyler School of Art, Temple University)*. Associate Professor. Digital media.

Entertainment & Arts Management BS

Major: Entertainment & Arts Management
Degree Awarded: Bachelor of Science (BS)
Calendar Type: Quarter
Minimum Required Credits: 183.0
Co-op Options: One Co-op (Four years)
Classification of Instructional Program (CIP) code: 50.1001
Standard Occupational Classification (SOC) code: 13-1011

About the Program

The Entertainment & Arts Management (EAM) program at Drexel University is a nationally ranked, international leader in teaching the business of show business. Our unique program is a business degree, yet one that is based in the entertainment and arts sectors. Students in the Entertainment and Arts Management major choose an area of concentration from media, performing arts, or visual arts management disciplines. The curriculum is designed to prepare students to lead and manage in both commercial and non-profit areas of the field. Coursework in the EAM program includes general education, core requirements and features a built-in business minor. Students also enjoy a wide-selection of specialized coursework within their chosen area of concentration.

Unlike other undergraduate programs in this field, students are not required to choose commercial or nonprofit. Our philosophy is to prepare students for leadership careers in the vast world or arts and entertainment. This gives EAM students increased flexibility when choosing their career paths, and a distinct professional advantage in today's ever-changing arts and entertainment industries.

Our Goal

Our overall goal in the EAM program is to prepare students for leadership careers in the entertainment and arts fields by giving them:

- a broad understand of the business of entertainment & the arts, from for-profit commercial entertainment companies to non-profit arts & culture organizations;
- real world work experience;
- creative skills development in the discipline that interests them, and

- expert advice and insight from practicing professionals.

BS/MS Option

Students who complete the Entertainment & Arts Management program may also choose to pursue a graduate degree in Drexel University's Westphal College in television management or arts administration and museum leadership. Students who graduate with a 3.5 GPA in the last two years of the program who apply to the MS in Arts Administration and Museum Leadership (http://catalog.drexel.edu/graduate/collegeofmediaartsanddesign/ artsadministrationandmuseumleadership/) are automatically accepted into the MS program. Other graduate degrees within the college are available to students as well.

Dual Degree BS/MBA Option

Students majoring in Entertainment and Arts Management (4-year with co-op) may choose the BS Entertainment and Arts Management/MBA (p. 135) dual degree option. This highly attractive program option combines study in the management of the arts and entertainment industries along with the MBA degree. The program is designed to allow students to complete both the bachelor's degree and the MBA in **five** years.

Applying to the Dual Degree BS/MBA Option

Freshman applicants to the Entertainment & Arts Management program with a combined Math and Critical Reading SAT score of 1300 and a 3.5 GPA may apply for the BS/MBA program at the time of their initial application to Drexel University. Current students may choose to apply to the dual degree option once they have achieved between 90.0 and 120.0 credits. All students who are accepted into the accelerated program must maintain a 3.2 GPA as an EAM undergraduate, and must submit two letters of recommendation and meet minimum GMAT requirements at the time of the application to the MBA program.

Additional Information

For more information about this major, visit the College's Entertainment & Arts Management (http://www.drexel.edu/westphal/academics/undergraduate/ eam/) page.

Degree Requirements

Coursework in the EAM program includes general education and core requirements as well as specialized coursework within the student's chosen area of concentration and, if applicable, within a specific arts or media discipline. For instance, within the media management concentration, students choose coursework in one of two disciplines: film, video, and screenwriting or digital media. In the performing arts management concentration, students choose coursework in a dance, performing arts, or theatre discipline.

The core requirements provide an overview of the student's future career field and its required key skills and abilities. The core requirements build a foundation for further advanced and specialized courses, taught in the student's area of concentration. At the end of their freshman year, students select one of the following concentrations:

- **(A) Visual Arts Management Concentration**
- **(B) Performing Arts Management**
  a. Dance Concentration
  b. Performing Arts Concentration
  c. Theatre Concentration
- **(C) Media Arts Management**
  a. Digital Media Concentration
  b. Cinema and Television Concentration

General Education Requirements		
Written Analysis and Communication Requirements		
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
Mathematics and Natural Sciences Requirements		
MATH 101	Introduction to Analysis I	4.0
MATH 102	Introduction to Analysis II	4.0
PHYS 170	Electricity and Motion	3.0
PHYS 171	Computational Lab for Electricity and Motion	1.0
PHYS 175	Light and Sound	3.0

PHYS 176	Computational Lab for Light and Sound	1.0
Arts/Humanities Requirements		
COM 230	Techniques of Speaking	3.0
Required Arts and Humanities-students elect a minimum of 6.0 credits [*]		6.0
Social Science Requirements		
Required Social Science-students elect a minimum of 9.0 credits [**]		9.0
University Seminar Requirements		
CIVC 101	Introduction to Civic Engagement	1.0
COOP 101	Career Management and Professional Development [***]	1.0
UNIV A101	The Drexel Experience	2.0
Free electives [†]		**39.0**
Entertainment and Arts Management Core Requirements		
ACCT 110	Accounting for Professionals	4.0
BLAW 201	Business Law I	4.0
EAM 130	Overview of Entertainment and Arts Management	3.0
EAM 200	Introduction to the Music Industry	3.0
EAM 211	Strategic Management for Entertainment and Arts Management	3.0
EAM 220	Law for Entertainment and Arts Management Managers	3.0
EAM 221	Copyrights and Trademarks	3.0
EAM 225	Financial Management for Entertainment & Arts Managers	3.0
EAM 308 [WI]	Entertainment Promotion and Branding	3.0
EAM 310	Social Media in Entertainment	3.0
EAM 315	Content Strategies for Digital Products	3.0
EAM 340	Artist Representation and Management	3.0
EAM 420	Arts, Culture and Society	3.0
EAM 422	Human Resources in the Creative Industries	3.0
EAM 490	Senior Seminar	3.0
ECON 201	Principles of Microeconomics	4.0
ECON 202	Principles of Macroeconomics	4.0
MIS 200	Management Information Systems	4.0
MKTG 201	Introduction to Marketing Management	4.0
ORGB 300 [WI]	Organizational Behavior	4.0
Concentration Requirements		**21.0**
Concentration Electives		**9.0**
Total Credits		**183.0**

*	Arts and Humanities courses: AFAS, ARBC, ARCH 141, ARCH 142, ARCH 143, ARTH, CHIN, COM, DANC 215, DANC 315, FMST, ENGL 111 - ENGL 492, FREN, GER, HBRW, HIST, GST, INTR 200, INTR 300 [WI] , ITAL, JAPN, JWST, KOR, LING, MENA, MUSC 130, MUSC 152, MUSC 231, MUSC 234 MUSC 236, MUSC 238, MUSC 323, MUSC 331, MUSC 333, MUSC 336, MUSC 338 [WI] , PBHL, PHIL, PHTO 275 [WI] , PHTO 276 [WI] , PHTO 452 [WI] ,PPE, SCRP, SPAN, THTR 221 [WI] ,THTR 222 [WI] ,TVST, UNIV 241, VSCM 350 [WI] , WGST, WRIT
**	Social Science courses: AFAS, ANTH, CJS, ECON, ENSS, ENVS 260, PBHL, PSCI, PSY, SOC, WGST
***	Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.
	COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.
†	BS/MBA students should take STAT 201 and FIN 301.

Concentration Requirements

A. Visual Arts Management Concentration

EAM 215 [WI]	Writing for Arts Managers	3.0
EAM 270	Audience Development for Arts	3.0
EAM 301	Gallery and Collection Management	3.0
EAM 302	Exhibition Design	3.0
EAM 312	Introduction to Fund Development for the Arts	3.0
EAM 313	Volunteer and Board Management	3.0
EAM 321	Box Office and Venue Management	3.0
Select three from the following:		**9.0**

ARTH 150	Building Skills in Object Analysis	
ARTH 314	Contemporary Art	
ARTH 331 [WI]	Global Material Culture	
OR		
DIGM 308 [WI]	Digital Cultural Heritage	
DIGM 451 [WI]	Explorations in New Media	
IDM 211	User Interface Design I	
Total Credits		**30.0**

B. Performing Arts Management Concentration

EAM 215 [WI]	Writing for Arts Managers	3.0
EAM 270	Audience Development for Arts	3.0
EAM 312	Introduction to Fund Development for the Arts	3.0
EAM 313	Volunteer and Board Management	3.0
EAM 321	Box Office and Venue Management	3.0
EAM 322	Performing Arts Touring	3.0
EAM 325	Producing for Live Entertainment	3.0
Select three from the following:		**9.0**
DANC 115	Introduction to Dance	
DANC 215	Dance Appreciation	
DANC 315	Twentieth Century Dance	
OR		
MUSC 121	Music Theory I	
MUSC 249	Digital Music Composition	
MUSC 331	World Musics	
OR		
THTR 121 [WI]	Dramatic Analysis	
THTR 240	Theatre Production I	
Select one of the following:		
THTR 221 [WI]	Theatre History I	
THTR 222 [WI]	Theatre History II	
THTR 231	Introduction to Musical Theatre	
THTR 232	Contemporary Musical Theatre	
Total Credits		**30.0**

C. Media Arts Management Concentration

DIGM 105	Overview of Digital Media	3.0
EAM 215 [WI]	Writing for Arts Managers	3.0
EAM 288	eSport Entertainment Management	3.0
EAM 295	Streaming Entertainment Management	3.0
EAM 338	Entertainment Enterprise	3.0
EAM 365	Media and Entertainment Business	3.0
FMTV 293	Introduction to Money and the Media	3.0
Select three from the following:		**9.0**
FMST 101	Film History I: Emergence	
FMST 102	Film History II: New Waves	
FMST 203	Film History III: Trends	
OR		
FMTV 110	Basic Cinematography	
FMTV 115	Basic Editing	
FMTV 120	Basic Sound	
FMTV 131	Multi-Camera Production	
OR		
FMTV 185	TV Industry	
FMTV 281	Producing for Television	
FMTV 282	Research, Sales and Programming	
OR		
IDM 100	Introduction to Web Development	
IDM 211	User Interface Design I	

IDM 221	Web Design I	
Total Credits		**30.0**

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plans of Study

At the end of their freshman year, students select one of the following concentrations. Each concentration has its own unique Plan of Study:

(A) Visual Arts Management Concentration

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
EAM 130	3.0	EAM 200	3.0	ACCT 110	4.0	VACATION	
ENGL 101 or 111	3.0	ENGL 102 or 112	3.0	CIVC 101	1.0		
MATH 101	4.0	MATH 102	4.0	EAM 211	3.0		
PHYS 170	3.0	PHYS 175	3.0	ENGL 103 or 113	3.0		
PHYS 171	1.0	PHYS 176	1.0	Arts and Humanities Elective	3.0		
UNIV A101	1.0	UNIV A101	1.0	Social Science Elective	3.0		
	15		**15**		**17**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
BLAW 201	4.0	EAM 220	3.0	COM 230	3.0	COOP EXPERIENCE	
COOP 101	1.0	EAM 225	3.0	EAM 221	3.0		
EAM 215	3.0	EAM 270	3.0	EAM 301	3.0		
ECON 201	4.0	ECON 202	4.0	MKTG 201	4.0		
Concentration Elective	3.0	Arts and Humanities Elective	3.0	Concentration Elective	3.0		
Social Science Elective	3.0						
	18		**16**		**16**		**0**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
EAM 308	3.0	EAM 302	3.0	EAM 313	3.0	COOP EXPERIENCE	
EAM 321	3.0	EAM 310	3.0	EAM 315	3.0		
EAM 340	3.0	EAM 312	3.0	ORGB 300	4.0		
MIS 200	4.0	Concentration Elective	3.0	Free Elective	6.0		
Free Elective	3.0	Social Science Elective	3.0				
	16		**15**		**16**		**0**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits
EAM 422	3.0	Free Electives	12.0	EAM 420	3.0
Free Electives	12.0			EAM 490	3.0
				Free Electives	6.0
	15		**12**		**12**

Total Credits 183

(B) Performing Arts Management Concentration

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
EAM 130	3.0	EAM 200	3.0	ACCT 110	4.0	VACATION	
ENGL 101 or 111	3.0	ENGL 102 or 112	3.0	CIVC 101	1.0		
MATH 101	4.0	MATH 102	4.0	EAM 211	3.0		
UNIV A101	1.0	PHYS 175	3.0	ENGL 103 or 113	3.0		
PHYS 170	3.0	PHYS 176	1.0	Arts and Humanities Elective	3.0		
PHYS 171	1.0	UNIV A101	1.0	Social Science Elective	3.0		
	15		**15**		**17**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
BLAW 201	4.0	EAM 220	3.0	COM 230	3.0	COOP EXPERIENCE	
COOP 101	1.0	EAM 225	3.0	EAM 221	3.0		
EAM 215	3.0	EAM 322	3.0	EAM 270	3.0		
ECON 201	4.0	ECON 202	4.0	MKTG 201	4.0		
Concentration Elective	3.0	Arts and Humanities Elective	3.0	Concentration Elective	3.0		
Social Science Elective	3.0						
	18		**16**		**16**		**0**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
EAM 308	3.0	EAM 310	3.0	EAM 313	3.0	COOP EXPERIENCE	
EAM 321	3.0	EAM 312	3.0	EAM 315	3.0		
EAM 340	3.0	EAM 325	3.0	ORGB 300	4.0		
MIS 200	4.0	Concentration Elective	3.0	Free Electives	6.0		
Free Elective	3.0	Social Science Elective	3.0				
	16		**15**		**16**		**0**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits
EAM 422	3.0	Free Electives	12.0	EAM 420	3.0
Free Electives	12.0			EAM 490	3.0
				Free Electives	6.0
	15		**12**		**12**

Total Credits 183

(C) Media Arts Management Concentration

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
EAM 130	3.0	EAM 200	3.0	ACCT 110	4.0	VACATION	
ENGL 101 or 111	3.0	ENGL 102 or 112	3.0	CIVC 101	1.0		
MATH 101	4.0	MATH 102	4.0	EAM 211	3.0		
PHYS 170	3.0	PHYS 175	3.0	ENGL 103 or 113	3.0		
PHYS 171	1.0	PHYS 176	1.0	Arts and Humanities Elective	3.0		
UNIV A101	1.0	UNIV A101	1.0	Social Science Elective	3.0		
	15		**15**		**17**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
BLAW 201	4.0	EAM 220	3.0	COM 230	3.0	COOP EXPERIENCE	
COOP 101	1.0	EAM 225	3.0	EAM 215	3.0		
DIGM 105	3.0	ECON 202	4.0	EAM 221	3.0		
ECON 201	4.0	FMTV 293	3.0	MKTG 201	4.0		
Concentration Elective	3.0	Arts and Humanities Elective	3.0	Concentration Elective	3.0		
Social Science Elective	3.0						
	18		**16**		**16**		**0**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
EAM 288	3.0	EAM 295	3.0	EAM 315	3.0	COOP EXPERIENCE	

	Credits		Credits		Credits	
EAM 308	3.0	EAM 310	3.0	EAM 338	3.0	
EAM 340	3.0	EAM 365	3.0	ORGB 300	4.0	
MIS 200	4.0	Concentration Elective	3.0	Free Electives	6.0	
Free Elective	3.0	Social Science Elective	3.0			
	16		**15**		**16**	**0**
Fourth Year						
Fall	**Credits**	**Winter**	**Credits**	**Spring**	**Credits**	
EAM 422	3.0	Free Electives	12.0	EAM 420	3.0	
Free Electives	12.0			EAM 490	3.0	
				Free Electives	6.0	
	15		**12**		**12**	

Total Credits 183

Co-op/Career Opportunities

Entertainment & Arts Management prepares students for a variety of careers in both commercial and nonprofit organizations, from creative, hands-on positions to administrative and management roles.

The career possibilities in this field are extensive and include the following positions:

- Artistic or Creative Director
- Concert and Live Events Manager
- Gallery Owner or Museum Manager
- Special Events Planner
- Marketing or Social Media Director
- Film or TV Producer
- Venue Manager
- Artist Representative - Agent, Manager, or Publicist
- Creative Content Director - Media, TV or Online

Examples of Past Co-op Jobs

EAM students work at many of the leading entertainment and arts companies in the country.

Examples of some of the co-op employers where EAM students have worked:

- Showtime
- A&E Network
- Live Nation - Midwest, Philadelphia, New York
- AEG Live - Los Angeles
- The Tonight Show Starring Jimmy Fallon
- Atlantic Records
- Sony Music Entertainment
- Disney
- Comcast
- NBC Universal - NYC
- The Onion
- Screen Actors Guild
- Sirius/XM Radio
- Abrams Artist Agency – NYC
- Red Light Management - NYC
- Fox News Channel
- Warner Music Group
- Nashville Casting
- Rain Management Group
- The Trocadero
- XFINITY Live! Philadelphia
- Asbury Lanes

- Cosi Television NY
- World Café Live!
- Kimmel Center for the Performing Arts
- Lincoln Center for the Performing Arts
- Sesame Workshop
- Upright Citizens Brigade
- Edinburgh Fringe Festival
- Webster Hall NYC
- Philadelphia Theatre Company
- Joffrey Ballet
- Pennsylvania Ballet
- Arden Theatre Company

Visit the Drexel Steinbright Career Development Center (http://www.drexel.edu/scdc/) page for more detailed information on co-op and post-graduate opportunities.

College of Media Arts and Design Facilities

Our college offers high-quality facilities and resources to its students including a state-of-the-art black-box theatre, HD film screening rooms, rehearsal studios, event venues, and more. The following are some links for more information about some of our facilities.

- Robert and Penny Fox Historic Costume Collection (https://drexel.edu/foxcollection/)
- Design and Imaging Studios (http://www.drexel.edu/westphal/student-resources/technology/)
- Leonard Pearlstein Gallery (https://drexel.edu/pearlsteingallery/)
- Mandell Theater (http://www.drexel.edu/performingarts/about/facilities/mandell-theater/)
- Rudman Institute for Entertainment Industry Studies (https://drexel.edu/westphal/about/rudman-institute/)
- WKDU (http://www.wkdu.org/), Drexel's student-run radio station

Entertainment and Arts Management Faculty

Jacqueline Borock, JD *(Widener University)*. Adjunct Professor. Media deal making, intellectual property, First Amendment

Julie Goodman, MFA *(Temple University) Department Head, Arts & Entertainment Enterprise*. Associate Professor. Cultural policy, political activism in the arts, changes in economic and social policy, arts sector changes.

Brea M. Heidelberg, PhD *(The Ohio State University) Program Director, Entertainment and Arts Management.* . Associate Professor. Human resources management; Leadership development; Organizational structuring; Planning and evaluation.

Roberta Johnson, MS *(Drexel University)*. Adjunct Professor.

Shannon Lacek, BA *(University of Central Florida)*. Assistant Teaching Professor. Nonprofit management, performing arts and film festivals, strategic planning, marketing, audience development, fundraising, venue operations, finance, board development, and government relations.

Taneshia Laird, BBA *(Bernard Baruch College, CUNY)*. Adjunct Professor. Strategic management in entertainment and arts management.

Brian Moore, MFA *(Louisiana State University).* Associate Teaching Professor. Commercial entertainment: film, theatre, television. Nonprofit organizations: theatre, general fund development; strategic planning; communications and marketing; executive management.

Jeanne McHale Waite, BA *(Temple University).* Assistant Teaching Professor. Digital content production and management; Financial management; Media management; Operations and distribution

Emeritus Faculty

Lawrence Epstein, MBA *(Cornell University)*. Teaching Professor. Media Finance, Station Group Management Media Analytics, Financial, Technical and Strategic Planning. Technology Assessment and Management, New Venture Management.

Fashion Design BS

Major: Fashion Design
Degree Awarded: Bachelor of Science (BS)
Calendar Type: Quarter
Minimum Required Credits: 183.0

Co-op Options: One Co-op (Four years)
Classification of Instructional Programs (CIP) code: 50.0407
Standard Occupational Classification (SOC) code: 27-1022

About the Program

The Fashion Design program at Drexel University's Antoinette Westphal College of Media Arts & Design (https://drexel.edu/westphal/academics/undergraduate/FASH/) educates and trains visionary designers to use an integrated approach toward the creation of contemporary fashion within the context of an expanding, yet converging, global economy and society. Through a series of courses offered freshman year, students will explore the challenges facing our industry and learn how to implement inclusive, responsible, and sustainable solutions in their design process. The fusion of art, design, science, and technology serves as a springboard for the production of unique apparel for the 21st century, and represents a transdisciplinary approach that requires flexibility and focus.

Over the past two decades, Drexel's Fashion Design program has developed a stellar, international reputation and is ranked in the top four nationally and 14th worldwide. That is due, in part, to a passionate and experienced faculty, novel approaches to pedagogy, and participation in national and international competitions. Faculty and alumni connections to industry leaders strongly augment and catalyze the program, the strength of which is closely linked to the philosophy that each student has a distinct vision and a unique aesthetic that must be cultivated on an individual basis.

Students have 24-hour access to state-of-the-art studios including CLO-3D virtual garment simulation, CLO-3D pattern making, Shima Seiki Apex design technology, and automated knitwear machines. The Shima Seiki Fashion Knitting Lab (https://drexel.edu/westphal/academics/graduate/FASH/research/shima-seiki/), located on third floor of the URBN Center, features the latest equipment for the design, simulation, and production of fully fashioned knitwear. Students can engage in collaborative University-wide research through the use of the Drexel University Center for Functional Fabrics (https://drexel.edu/functional-fabrics/) and the Hybrid Making Lab (https://drexel.edu/westphal/about/overview/making_spaces/HybridMakingLab/) located on the URBN Center's first floor. They acquire detailed knowledge about industrial productions, advanced technologies in design, collaborative design, materials and processes, and the marketing and merchandising of clothing in this maker focused program.

Accordingly, our future fashion designers, both undergraduates and graduates alike, develop an intuitive and practical understanding of design through a fine arts foundation, while studying the psychological, social, and historical contexts of fashion through the world-renowned Robert and Penny Fox Historic Costume Collection (http://www.drexel.edu/foxcollection/) (FHCC). Importantly, the students are provided with commercial studio/atelier training that goes hand in hand with classroom instruction through the University's cooperative education program (https://drexel.edu/westphal/academics/co-op/). Cooperative education offers invaluable opportunities for students to observe and participate in the fashion industry at the ground level. Critiques by visiting professionals are included in all upper level courses and provide valuable "real world" input as well as future career connections. A large percentage of students spend a term studying abroad (http://www.drexel.edu/studyabroad/) in the world's great fashion capitals, including London (https://studyabroad.drexel.edu/?FuseAction=Programs.ViewProgram&Program_ID=10070&Type=O&sType=O), England and Florence (https://studyabroad.drexel.edu/?FuseAction=Programs.ViewProgram&Program_ID=40220), Italy. Students can also choose from a range of intensive courses abroad (ICA) such as Drexel's Fashion Break in South Korea: Korean Fashion Industry (https://studyabroad.drexel.edu/?FuseAction=Programs.ViewProgram&Program_ID=47802). Upon graduation, students show their capstone senior thesis collections (https://westphal.design/FD/FashionShow22/) in the annual professional juried fashion show.

Additional Information

For more information about this major, visit the College's Fashion Design (https://drexel.edu/westphal/academics/undergraduate/FASH/) page.

Degree Requirements

General Education requirements

CIVC 101	Introduction to Civic Engagement	1.0
COOP 101	Career Management and Professional Development [*]	1.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
ENVS 160	Environment in the News	2.0
ENVS 260	Environmental Science and Society	3.0
GEO 111	Natural Disasters	3.0
MATH 119	Mathematical Foundations for Design	4.0
UNIV A101	The Drexel Experience	2.0
Required Arts and Humanities-students elect a minimum of 9.0 credits		9.0
Required Social science-students elect a minimum of 9.0 credits		9.0
Free electives		24.0
Visual Studies requirements		
ARTH 314	Contemporary Art	3.0

Required Art History-students elect a minimum of 6.0 additional ARTH credits		6.0
VSST 101	Design I	4.0
VSST 102	Design II	4.0
VSST 103	Design III	4.0
VSST 110	Introductory Drawing	3.0
VSST 111	Figure Drawing I	3.0
VSST 113	Figure Drawing for Fashion	3.0
VSST 301	Painting I	4.0
or VSST 322	Printmaking I	
VSST 304	Materials Exploration	4.0
Fashion Design requirements		
ARTH 335 [WI]	History of Costume I: Preclassical to 1800	3.0
ARTH 336 [WI]	History of Costume II: 1800-1920	3.0
FASH 200	Sustainable Practice in Fashion	3.0
FASH 211	Fashion Drawing I	3.0
FASH 212	Fashion Drawing II	3.0
FASH 231	Textile Science for Fashion Design	3.0
FASH 241	Construction Skills	4.0
FASH 309	Visual Communication in Fashion	3.0
FASH 312	Surface Design for Textiles	3.0
FASH 314	Fashion Portfolio I	3.0
FASH 315	Computer Aided Design for Patternmaking	3.0
FASH 318	Technical Design for Industry	3.0
FASH 319	Fashion Design in 3-D Space	3.0
FASH 341	Patternmaking I	4.0
FASH 342	Patternmaking II	4.0
FASH 343	Tailoring	4.0
FASH 348	Fashion Design I: Fabric to Form	4.0
FASH 353	Fashion Design II: Knitwear	4.0
FASH 354	Fashion Design III: Sustainable Design	4.0
FASH 355	Fashion Design IV: Collection Research & Development	4.0
FASH 464	Fashion Portfolio II	3.0
FASH 491	Collection I	4.0
FASH 492	Collection II	3.0
Total Credits		**183.0**

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plans of Study

4 year, 1 coop (Fall/Winter)

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ENVS 260	3.0	FASH 241	4.0	CIVC 101	1.0	VACATION	
FASH 200	3.0	GEO 111	3.0	ENVS 160	2.0		
UNIV A101	1.0	UNIV A101	1.0	FASH 341	4.0		
VSST 101	4.0	VSST 102	4.0	MATH 119	4.0		
VSST 110	3.0	VSST 111	3.0	VSST 103	4.0		
				VSST 113	3.0		
	14		**15**		**18**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ENGL 101 or 111	3.0	ARTH 314	3.0	ENGL 102 or 112	3.0	ENGL 103 or 113	3.0
FASH 211	3.0	COOP 101	1.0	FASH 318	3.0	VSST 301 or 322	4.0
FASH 309	3.0	FASH 212	3.0	FASH 353	4.0	Arts and Humanities elective	3.0
FASH 342	4.0	FASH 231	3.0	Art History elective	3.0	Social Science elective	3.0
VSST 304	4.0	FASH 312	3.0	Free elective	3.0		
		FASH 348	4.0				
	17		**17**		**16**		**13**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP EXPERIENCE		COOP EXPERIENCE		ARTH 335	3.0	ARTH 336	3.0
				FASH 319	3.0	FASH 314	3.0
				FASH 343	4.0	FASH 354	4.0
				Art History elective	3.0	Arts and Humanities elective	3.0
				Arts and Humanities elective	3.0		
	0		**0**		**16**		**13**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits
FASH 315	3.0	FASH 491	4.0	FASH 492	3.0
FASH 355	4.0	Free electives	6.0	Free electives	12.0
FASH 464	3.0	Social Science elective	3.0		
Free elective	3.0				
Social Science elective	3.0				
	16		**13**		**15**

Total Credits 183

4 year, 1 coop (Spring/Summer)

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ENVS 260	3.0	FASH 241	4.0	CIVC 101	1.0	VACATION	
FASH 200	3.0	GEO 111	3.0	ENVS 160	2.0		
UNIV A101	1.0	UNIV A101	1.0	FASH 341	4.0		
VSST 101	4.0	VSST 102	4.0	MATH 119	4.0		
VSST 110	3.0	VSST 111	3.0	VSST 103	4.0		
				VSST 113	3.0		
	14		**15**		**18**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ENGL 101 or 111	3.0	ARTH 314	3.0	COOP 101	1.0	ENGL 103 or 113	3.0
FASH 211	3.0	FASH 212	3.0	ENGL 102 or 112	3.0	VSST 301 or 322	4.0
FASH 309	3.0	FASH 231	3.0	FASH 318	3.0	Art and Humanities elective	3.0
FASH 342	4.0	FASH 312	3.0	FASH 353	4.0	Social Science elective	3.0
VSST 304	4.0	FASH 348	4.0	Art History elective	3.0		

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
				Free elective	3.0		
	17		16		17		13

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARTH 335	3.0	ARTH 336	3.0	COOP EXPERIENCE		COOP EXPERIENCE	
FASH 319	3.0	FASH 314	3.0				
FASH 343	4.0	FASH 354	4.0				
Art History elective	3.0	Arts and Humanities elective	3.0				
Arts and Humanities elective	3.0						
	16		13		0		0

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits
FASH 355	4.0	FASH 491	4.0	FASH 492	3.0
FASH 464	3.0	FASH 315	3.0	Free electives	12.0
Free electives	6.0	Free elective	3.0		
Social Science elective	3.0	Social Science elective	3.0		
	16		13		15

Total Credits 183

4 year, 1 coop: Study Abroad (Spring/Summer)

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ENVS 260	3.0	FASH 241	4.0	CIVC 101	1.0	VACATION	
FASH 200	3.0	GEO 111	3.0	ENVS 160	2.0		
UNIV A101	1.0	UNIV A101	1.0	FASH 341	4.0		
VSST 101	4.0	VSST 102	4.0	MATH 119	4.0		
VSST 110	3.0	VSST 111	3.0	VSST 103	4.0		
				VSST 113	3.0		
	14		15		18		0

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ENGL 101 or 111	3.0	ARTH 314	3.0	COOP 101	1.0	STUDY ABROAD	
FASH 211	3.0	FASH 212	3.0	ENGL 102 or 112	3.0	Free electives	12.0
FASH 309	3.0	FASH 231	3.0	FASH 318	3.0		
FASH 342	4.0	FASH 312	3.0	FASH 353	4.0		
VSST 304	4.0	FASH 348	4.0	Art History elective	3.0		
	17		16		14		12

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARTH 335	3.0	ARTH 336	3.0	COOP EXPERIENCE		COOP EXPERIENCE	
FASH 319	3.0	ENGL 103 or 113	3.0				
FASH 343	4.0	FASH 314	3.0				
Art History elective	3.0	FASH 354	4.0				
Arts and Humanities elective	3.0	Arts and Humanities elective	3.0				
	16		16		0		0

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits
FASH 355	4.0	FASH 315	3.0	FASH 492	3.0
FASH 464	3.0	FASH 491	4.0	Free electives	9.0
Arts and Humanities elective	3.0	VSST 301 or 322	4.0	Social Science elective	3.0
Free elective	3.0	Social Science elective	3.0		
Social Science elective	3.0				
	16		14		15

Total Credits 183

Co-op/Career Opportunities

Drexel Co-op is a renowned collegiate program. Students spend a minimum of six months either in the US (http://www.drexel.edu/westphal/academics/co-op/) or abroad (http://www.drexel.edu/scdc/co-op/international/) where they can apply their skills in the challenging and exciting fashion industry. Areas of opportunity include garment design, concept design, product development, production, textile design, costume design, technical design, CAD, publishing, curatorial work, promotion, and marketing. During the cooperative education, program students apply their industry knowledge and gain experience in the diverse, fast paced global world of fashion. Students forge long lasting relationships with alumni and other industry professionals.

Co-op Experiences

Some past co-op employers of fashion design students include:

- A Wish Come True, Greater Philadelphia Area
- Abercrombie & Fitch, Ohio
- Alice & Olivia, New York
- Althea Harper, New York
- Amsale, New York
- Austin Scarlett, New York
- Australian Internships - Bec & Bridge
- Badgley Mischka, New York
- Beijing Yu Wen Hua Apparel Company
- BCBG Max Azria, California
- Bioko Biodiversity Protection Program, Equatorial Guinea
- Blazina International, Philadelphia
- BODE, New York
- Calvin Klein, New York
- Centric Brands, New York
- Charlotte Ronson, New York
- Chico's FAS, Inc., Ft. Meyers Fl
- Christian Soriano, New York
- Costume Design- brittany Ann Cormack, Santa Monica, CA
- Dennis Basso/Stallion Inc.,New York
- Derek Lam, New York
- Destination Maternity Corporation, Moorestown, NJ
- Dew E Dew Concept Company, South Korea
- DYLANLEX, Philadelphia, PA
- Elite Sportswear, L.P., Reading, PA
- Elie Tahari, New York
- Elixir Fashion Apparel & Alicia Lee Designs, China
- Faherty Brand, New York
- For Love and Lemons, Los Angeles, CA
- Gelmart International, New York
- Hanky Panky, LTD, New York
- Haute Hippie, New York
- Heidi Merrick, Los Angeles, CA
- Jill Stuart International, New York
- Joe Fresh, New York
- Jordache Enterprises, New York
- Junko Yoshioka, New York
- Komar, Jersey City, NJ
- Lela Rose, New York
- Lewuxing Culture Communication Co., Ltd., China
- Lillie Designs/ Lillie Couture, Philadelphia, PA
- Lilly Pulitzer, Greater Philadelphia Area
- LL Bean, Freeport, ME

- Lori Coulter, LLC, St. Louis, MO
- Maggie Norris Couture, New York
- Marchesa, New York, NY
- Marios Schwab Ltd., London, UK
- Michael Kors, New York
- Milly LLC, New York
- Naeem Khan LTD, New York
- Nanette Lepore,New York
- Nation Design, New York
- Ohne Titel, New York
- PARIGI Group, Greater Philadelphia Area
- Parker, New York
- Peter Pilotto, London, UK
- Philadelphia Museum of Art, Philadelphia, PA
- Priscilla Costa, Greater Philadelphia Area
- Rockport, West Newton, MA
- Sally Lapointe, New York
- Shehu, Philadelphia, PA
- Shima Seiki Haute Tech Lab, Center for Functional Fabrics, Philadelphia, PA
- Shima Seiki USA, Inc., South New Jersey
- Shoshanna, New York
- SOTU Productions, New York
- Thakoon, New York
- The Mews Bridal, London, England
- The Tailory, Philadelphia, PA
- Timo Weiland, New York
- Top Hat Formal Wear, Puerto Rico
- Triam International Limited, Kowloon Hong Kong
- Ulla Johnson, New York
- Urban Outfitters, Philadelphia, PA
- Veda, New York
- VF Sportswear, New York
- Walter Baker, New York
- Yes Master for IMAGO Creations, Ltd, Middlesex, UK
- Yumi Kim, New York
- Zac Posen, New York

Visit the Drexel Steinbright Career Development Center (http://www.drexel.edu/scdc/) page for more detailed information on co-op and post-graduate opportunities.

Facilities

Drexel University's Antoinette Westphal College of Media Arts & Design is located in the new URBN Center at 3501 Market Street in Philadelphia. The URBN Center is a 140,000-square-foot, state-of-the art facility where the Fashion Design studios are located on the third floor.

Classes are held in fully equipped studios for design and construction, pattern drafting, CAD design, 3-D garment simulation, and textile design including a dedicated senior and graduate design studio. Other studios on the third floor include a specialty equipment lab, computer lab, knitwear studio, a fabric dying and research lab, fashion drawing studio, and the Charles Evans Library. In our state-of-the art knitwear lab, students have access to Shima Seiki's computerized flat knitting machine and APEX Design Systems.

The R (http://www.drexel.edu/westphal/resources/FHCC/)obert and Penny Fox Historic Costume Collection (http://www.drexel.edu/foxcollection/) (FHCC), currently estimated to hold more than 12,000 objects, is located on the first floor and is an invaluable library, archive, gallery, and educational tool for our students as well as scholars, historians, artists, and designers in the national and international community. Also located on the first floor is the Hybrid Making Lab (http://www.drexel.edu/westphal/about/overview/making_spaces/HybridMakingLab/). This lab provides collaborative design and research opportunities both within Westphal College and University wide. The Shima Seiki Fashion Knitting Lab (https://drexel.edu/westphal/academics/

graduate/FASH/research/shima-seiki/) is located on the third floor of the URBN Center. The Shima Seiki Haute Technology Lab, located at 3401 Market Street, welcomes students and faculty from across the University as well as the community.

The open environment of the URBN Center provides opportunity for collaboration with all of the programs at the Westphal College. Design & Merchandising is on the first floor, opposite the main lobby where work from all of the College's students is regularly displayed. Digital Media, Animation & Visual Effects, Game Art & Production, Web Development & Interaction Design, Product Design, Graphic Design, Interiors, and Architecture's studios and labs are also located in the URBN Center. The Center encourages anyone interested to schedule a visit to experience the creativity, technology, innovation, and resulting excitement.

Fashion Design Faculty

Danielle Claassen, MS *(Drexel University)*. Fashion Laboratory Technician and Instructor Owner/Designer Neutral States Clothing, Knitwear specialist

Kathrine Cox, BFA *(Rhode Island School of Design)*. Adjunct Professor. Fashion Designer at Free People. Print Surface Design Specialist.

Genevieve Dion, MFA *(University of the Arts) Director, Center for Functional Fabrics*. Associate Professor. Industrial designer, wearable artist, new materials technology research.

Ann Gerondelis, AIA, IDSA *(Georgia Institute of Technology) Design Department Head*. Teaching Professor. Embodied perception and its relationship to the design of human experiences, from the scale of the built environment to objects that surround us.

Liz Goldberg, MFA *(Pratt Institute)*. Adjunct Professor. Artist, painter and animator

Cynthia Golembuski, MS *(Drexel University) Associate Program Director, Fashion Design*. Teaching Professor. Fashion designer, illustrator, computer aided design.

Lisa Hayes, BFA *(Syracuse University) Program Director, Fashion Design*. Associate Professor. Fashion designer, product designer, pattern design, sustainability specialist.

Ali Howell Abolo, PhD *(Oregon State University) Program Director Fashion Design*. Associate Professor. Researcher, social scientist; fashion, and culture.

Jaeyoon Jeong, MS *(Drexel University)*. Assistant Teaching Professor. Owner/Designer Jaeyoon Jeong Collection, 3D garment simulation and patternmaking.

Jackie Kilmartin, MS *(Philadelphia University) Program Director, Graduation Fasion Design*. Associate Teaching Professor. Manager, Fashion Knit Lab, Owner/designer Lillian Jackson Textiles, textile design and engineering, Shima Seiki Knitwear Specialist

Hyun-Ah Kim, BS *(Drexel University)*. Adjunct Professor. Owner/Designer HannaleeDesign, Fashion Illustration, CAD, Flat patternmaking and Draping, Couture Techniques

Kathi Martin, MSIS *(Drexel University) Associate Director of the Graduate Program in Fashion Design*. Professor. Fashion and textile designer; textile artist; CAD and 3D garment simulation, best practices online databases and graphic interfaces for fashion and historic costume, virtual characters for fashion design.

Domenica Vinci, BS *(Philadelphia University)*. Adjunct Professor. Fashion Designer at Off da Wall Graffiti

Emeritus Faculty

Roberta Gruber, MS *(Drexel University)*. Associate Professor Emeritus. Fashion designer and illustrator; wearable artist, merchandiser, special events.

Film & Television BS

Major: Film and Television
Degree Awarded: Bachelor of Science (BS)
Calendar Type: Quarter
Minimum Required Credits:186.0
Co-op Options: One Co-op (Four years)
Classification of Instructional Program (CIP) code: 50.0602
Standard Occupational Classification (SOC) code: *27-2012*; *27-4031*; *27-4032*

About the Program

The Film & Television major offers a balance of technical craft and artistic vision that prepares students to pursue professional careers in the Film and Television industries. The program is hands-on with core themes driving each year: Story, Voice, Professional Practice, and Implementation. There is also substantial coursework in screenwriting and film studies.

This highly competitive program, with only sixty-four freshmen accepted annually, features smaller classes that foster student-faculty interaction and mentoring, as well as ample access to excellent equipment. The unique Drexel co-op and Los Angeles Summer Program enhance education by providing students with professional employment experience.

Virtual courses and virtual components to courses play a small but important role in the curriculum for Film and Television. They allow us to attract talented faculty and speakers from across the country and expose students to real-world experiences of film production and the exposure to world class situations that would be impossible in a face-to-face setting.

The Film & Television program also offers a minor in Film Studies (p. 183).

Additional Information

For more information about this program, contact the program director:

John Avarese
Film & Television
Department of Cinema and Television
Antoinette Westphal College of Media Arts and Design
jva23@drexel.edu

Admission Requirements

- Optional portfolio
- GPA: 2.75
- SAT: 1100

Degree Requirements

General Education Requirements

ARTH 102	History of Art II	3.0
CIVC 101	Introduction to Civic Engagement	1.0
COOP 101	Career Management and Professional Development	1.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
MATH 119	Mathematical Foundations for Design	4.0
UNIV A101	The Drexel Experience	2.0
Required Arts and Humanities-students select a minimum of 9 credits		9.0
Required Natural Science-students select a minimum of 6 credits		6.0
Required Social Science-students select a minimum of 9 credits		9.0
Electives [*]		24.0
Film & TV Production Core Courses		
FMST 101	Film History I: Emergence	3.0
FMST 102	Film History II: New Waves	3.0
FMST 203	Film History III: Trends	3.0
FMST 250	Documentary Studies	3.0
FMTV 100	Visual Storytelling	3.0
FMTV 110	Basic Cinematography	3.0
FMTV 115	Basic Editing	3.0
FMTV 120	Basic Sound	3.0
FMTV 131	Multi-Camera Production	3.0
FMTV 185	TV Industry	3.0
FMTV 201	Portfolio Prep	1.0
FMTV 202	Scene Analysis	3.0
FMTV 210	Intermediate Cinematography	3.0
FMTV 211	Intermediate Lighting	3.0
FMTV 215	Intermediate Editing	3.0
FMTV 216	DIT & Workflows	3.0
FMTV 220	Intermediate Sound	3.0
FMTV 240	Narrative Production	3.0
FMTV 250	Documentary Production	3.0

FMTV 270	Basic Directing	3.0
FMTV 280	Basic Producing	3.0
FMTV 283	Legal Basics for Filmmakers	3.0
FMTV 345	TV Series Production I	3.0
or FMTV 346	TV Series Production II	
FMTV 355	DNews	3.0
FMTV 360	Experimental Production	3.0
FMTV 401	Career Prep	3.0
FMTV 495	Senior Project I	3.0
FMTV 496	Senior Project II	3.0
FMTV 497	Senior Project III	3.0
SCRP 150	Entertainment Storytelling Fundamentals	3.0
SCRP 270 [WI]	Screenwriting I	3.0
SCRP 280 [WI]	Writing the Short Film	3.0
or SCRP 281	Writing Episodic Shorts	
SCRP 370	Screenplay Story Development	3.0
TVST 100	Recent TV Trends	3.0
Advanced Production Choice - Select three of the following (includes 300 level FMTV, FMVD, SCRP or TVPR courses):		**9.0**
FMTV 291	Film & TV Internship	
FMTV 310	Camera Operators Workshop	
FMTV 311	Steadicam Workshop	
FMTV 313	Advanced Camera	
FMTV T380	Special Topics in Film & TV	
FMTV T480	Special Topics in Film & TV	
SCRP 350	TV Comedy Practicum	
SCRP 353	TV Drama Practicum	
TVPR 236	Reality TV Production	
TVPR 291	Television Internship	
TV Production Choice - Select two of the following (may repeat):		**6.0**
FMTV 345	TV Series Production I	
FMTV 346	TV Series Production II	
FMTV 355	DNews	
FMTV 415	TV Series Editing	
FMTV T380	Special Topics in Film & TV	
FMTV T480	Special Topics in Film & TV	
Film Studies or Television Studies Course - Select one of the following (any FMST-Film Studies or TVST-Television Studies course not already required):		**3.0**
FMST 262	Film Comedy	
FMST 290	Hollywoodland I	
FMST 291	Hollywoodland II	
FMST 352	The Horror Film	
FMST T380	Special Topics in Film Studies	
FMST T480	Special Topics in Film Studies	
FMTV 319	Post Color Correction	
TVST 361	Art of TV Comedy	
TVST 362	Art of TV Drama	
TVST 363	Science Fiction Television	
TVST 364	Teen Television	
TVST 368	Supernatural Fantasy TV Shows	
TVST T380	Special Topics in TV Studies	
TVST T480	Special Topics in TV Studies	
Total Credits		**186.0**

*   Includes Film & TV as well as general electives.

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plan of Study

Fall Winter co-op cycle

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARTH 102	3.0	ENGL 102	3.0	CIVC 101	1.0	VACATION	
ENGL 101	3.0	FMST 102	3.0	ENGL 103 or 113	3.0		
FMST 101	3.0	FMTV 115	3.0	FMTV 131	3.0		
FMTV 110	3.0	FMTV 120	3.0	FMTV 100	3.0		
SCRP 150	3.0	SCRP 270	3.0	MATH 119	4.0		
UNIV A101	1.0	UNIV A101	1.0	TVST 100	3.0		
	16		**16**		**17**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
FMST 250	3.0	COOP 101[*]	1.0	FMST 203	3.0	FMTV 185	3.0
FMTV 202	3.0	FMTV 215	3.0	FMTV 211	3.0	Arts and Humanities Elective	3.0
FMTV 216	3.0	FMTV 220	3.0	FMTV 240	3.0	Elective	3.0
FMTV 210	3.0	FMTV 346	3.0	FMTV 270	3.0	Film or TV Studies Elective	3.0
FMTV 250	3.0	FMTV 355	3.0	FMTV 280	3.0	Social Science Elective	3.0
FMTV 201	1.0	SCRP 280 or 281	3.0				
	16		**16**		**15**		**15**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP EXPERIENCE		COOP EXPERIENCE		FMTV 283	3.0	SCRP 370	3.0
				FMTV 360	3.0	Natural Science Elective	3.0
				TV Production Choice	3.0	Social Science Elective	3.0
				Advanced Production Elective	3.0	Arts and Humanities Elective	3.0
				Natural Science Choice	3.0	Advanced Production Elective	3.0
	0		**0**		**15**		**15**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits
FMTV 401	3.0	FMTV 496	3.0	FMTV 497	3.0
FMTV 495	3.0	Advanced Production Elective	3.0	Electives	12.0
TV Production Choice	3.0	Arts and Humanities Elective	3.0		
Social Science Elective	3.0	Electives	3.0		
Elective	3.0				
	15		**15**		**15**

Total Credits 186

[*]   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

Spring Summer co-op cycle

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ENGL 101 or 111	3.0	ARTH 102	3.0	ENGL 103 or 113	3.0	VACATION	
FMST 101	3.0	ENGL 102 or 112	3.0	CIVC 101	1.0		
FMTV 110	3.0	FMST 102	3.0	FMTV 100	3.0		
FMTV 115	3.0	FMTV 131	3.0	MATH 119	4.0		
FMTV 120	3.0	SCRP 270	3.0	SCRP 150	3.0		
UNIV A101	1.0	UNIV A101	1.0	TVST 100	3.0		
	16		**16**		**17**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
FMTV 202	3.0	FMTV 201	1.0	COOP 101[*]	1.0	FMTV 185	3.0
FMTV 211	3.0	FMTV 210	3.0	FMST 203	3.0	Arts and Humanities Elective	3.0
FMTV 220	3.0	FMTV 216	3.0	FMST 250	3.0	Elective	3.0
FMTV 345	3.0	FMTV 240	3.0	FMTV 215	3.0	Film or TV Studies Choice	3.0
SCRP 280 or 281	3.0	FMTV 270	3.0	FMTV 250	3.0	Social Science Elective	3.0
		FMTV 280		FMTV 355	3.0		
	15		**16**		**16**		**15**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
FMTV 283	3.0	SCRP 370	3.0	COOP EXPERIENCE		COOP EXPERIENCE	
FMTV 360	3.0	Natural Science Choice	3.0				
TV Production Choice	3.0	Social Science Elective	3.0				
Advanced Production Elective	3.0	Arts and Humanities Elective	3.0				
Natural Science Choice	3.0	Advanced Production Elective	3.0				
	15		**15**		**0**		**0**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits
FMTV 495	3.0	FMTV 401	3.0	FMTV 497	3.0
TV Production Choice	3.0	FMTV 496	3.0	Electives	12.0
Social Science Elective	3.0	Advanced Production Elective	3.0		
Electives	6.0	Arts and Humanities Elective	3.0		
		Elective	3.0		
	15		**15**		**15**

Total Credits 186

* Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

Co-op/Career Opportunities

Opportunities

Students who study film and video can move on to careers as film or video directors, producers, video or film editors, directors of photography (film), camerawork, as well as grips and special effects coordinators.

Co-Op Experiences

Some past co-op employers of film and video students include:

- USA Network, New York
- Comcast, Philadelphia
- Bad Robot, Los Angeles

- ICM, Los Angeles
- Focus Features, New York
- Law & Order, New York
- NFL Films, Mount Laurel, New Jersey
- Tribecca Film Center, New York
- National Geographic Television, Washington DC
- NBC, New York
- Paramount Studios, Los Angeles
- MTV, New York

Visit the Drexel Steinbright Career Development Center (http://www.drexel.edu/scdc/) page for more detailed information on co-op and post-graduate opportunities.

Facilities

Film and Video facilities include a shooting studio with green screen; two screening rooms; a fully equipped HD television studio; post-production labs for editing, color correction and audio recording & mixing; specially outfitted multimedia rooms; state of the art film production equipment including cameras, steadicams, lighting and audio equipment.

Film & Television Faculty

John Avarese, BS *(Drexel University) Program Director*. Teaching Professor. Film Composer, Sound Mixer, Author.

Alison Bagnall, BA *(Yale University)*. Assistant Professor. Feature film writer and director.

David Deneen, BFA *(Philadelphia College of Art)*. Assistant Teaching Professor. Cinematography.

Gerard M. Hooper, MFA *(Temple University)*. Teaching Professor. Documentary filmmaker.

Benjamin Kalina, MFA *(Temple University)*. Assistant Professor. Documentary producer and director.

Matthew Kaufhold, MA *(University of North Carolina) Program Director, Screenwriting and Playwriting*. Teaching Professor. Screenwriter, Producer.

Karin P. Kelly, MFA *(New York University) Department Head, Cinema and Television*. Associate Professor. Filmmaker. Author

Yvonne D. Leach, MFA *(Temple University)*. Associate Professor. Television studies Scholar

Thomas Quinn, MFA *(Temple University)*. Associate Professor. Feature film writer and director.

David A. Schwartz, BA *(Rider University)*. Associate Teaching Professor. Steadicam operator; cameraman.

Andrew Susskind, AB *(Harvard University)*. Associate Teaching Professor. Producing, Directing, Writing, Editing.

Jocelyn Tarquini, MFA *(American Film Institute)*. Associate Teaching Professor. Editor.

Game Design & Production BS

Major: Game Design and Production

Degree Awarded: Bachelor of Science (BS)
Calendar Type: Quarter
Minimum Required Credits: 191.0
Co-op Options: Three Co-op (Five years); One Co-op (Four years)
Classification of Instructional Programs (CIP) code: 11.0899
Standard Occupational Classification (SOC) code: 27-1014; 25-1199

About the Program

Drexel's Game Design & Production undergraduate major, nationally ranked as a top program by multiple organizations including the Princeton Review (#10 in 2023), provides students with a strong, broad-based foundation in digital design and content creation skills in a team project environment. In Drexel's generalist-to-specialist approach, students try on a wide variety of roles in game development—from idea to reality in art and code—discovering the skill areas that they want to pursue, focusing their minors, elective courses, and team experiences as they progress through the program.

Drexel's Game Design & Production program is committed to making the game development environment, and by extension the industry at large, a supportive and welcoming community for all voices. The democratization of game making tools enables anyone to tell their story in the immersive

format of games. We in the program are excited to help the next generation of storytellers create new games that reflect the full spectrum of the human experience.

The major supports careers in any industry that wants to speak the language of real-time interactive games. Beyond the obvious entertainment sector of PC, mixed-reality, mobile, or console games, graduates from the program are able to move into any industry in any geographic area in support of simulation, training, marketing, communications, and education.

The focus on project-based teamwork prepares students for cross-disciplinary work in any scale company. This includes large-budget AAA blockbuster game development with teams of hundreds in complex leadership hierarchies and focused, skilled technicians and artists, as well as small- and medium-size companies that require employees to wear multiple hats throughout development or independent studios that challenge individuals to juggle multiple responsibilities. Drexel Dragons can be specialists with a strong foundation that allows them to adapt, to be flexible bridge-builders and liaisons across art and technical teams, and rugged entrepreneurs wearing all the hats.

All industries evolve, and digital content creation of any type is particularly dynamic. Processes and job titles that exist today are likely to be automated in five years, with the recent developments in imitative AI being the latest example. Companies small to large will use established and newly developed commercially available tools, but also build and maintain proprietary in-house tools and pipelines.

Courses in Drexel's program evolve in response to industry trends and on-demand special topic courses are utilized to rapidly respond to student and industry developments. Gaining familiarity with rapidly changing industry-standard tools is important but it's equally important to be prepared to transfer skills in one tool into a different tool of the same type – to be able to move from a 3D modeling tool like Blender, to 3DS Max, to Maya, or to a proprietary in-house tool you can't touch until you're hired by that specific company. Drexel's program encourages students to become comfortable as tool-agnostic creators.

While courses are predominantly offered face-to-face on campus, we also offer a variety of virtual courses taught by a diverse range of professionals from across the nation, exposing students to a wider network of industry professionals and to the evolving climate of industry work as a significant number of studios have permanently moved to be partially or completely remote, even prior to 2020.

Students begin making game assets and games in their first terms as freshmen and continue making team-based game projects both small and large throughout their plan of study. Interdisciplinary teamwork is a core skill developed in teams of two to over eighteen, often spanning multiple programs including Computer Science, Music Industry, Animation, Virtual Production, and more. Every project enables students to experiment and refine their experience in the many roles required to produce a finished game. Drexel University offers multiple opportunities to support the entrepreneurial minded student, from Drexel's on-campus indie incubator, the Entrepreneurial Game Studio (https://drexel.edu/excite/innovation/egs/), to the Close School of Entrepreneurship (http://drexel.edu/close/) and the Baiada Institute for Entrepreneurship (http://drexel.edu/baiada/).

Career building begins inside the classroom with team projects and networking, and outside the classroom with six or eighteen months of co-op experiences. (p. 72)

To complement the creative focus of the Game Design & Production major, a minor in Computer Science is popular, and in many cases an ideal supplement for Game Design & Production students. The CS minor increases programming knowledge while maintaining a creative design and production focus in the Game Design & Production major. This or any of the over 120 minors available at Drexel would be easy to achieve within a plan of study using free electives. It's important students make their minor a personal choice to reflect their specific focus and further personalize their Drexel game development experience.

Additional Information

To find out more about this major, visit the Westphal College's Game Design & Production Major (https://drexel.edu/westphal/academics/undergraduate/GDAP/) page.

Degree Requirements

General Education Requirements

CIVC 101	Introduction to Civic Engagement	1.0
COM 230	Techniques of Speaking	3.0
COOP 101	Career Management and Professional Development [*]	1.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
MATH 101	Introduction to Analysis I	4.0
PHYS 170	Electricity and Motion	3.0
PHYS 171	Computational Lab for Electricity and Motion	1.0
PHYS 175	Light and Sound	3.0
PHYS 176	Computational Lab for Light and Sound	1.0

UNIV A101	The Drexel Experience	2.0
Arts and humanities elective [**]		3.0
History (HIST) elective (100-499)		4.0
Literature (ENGL) elective (100-499)		3.0
Social sciences electives [***]		9.0
Free electives		23.0
Art and Art History Requirements		
ARTH 102	History of Art II	3.0
ARTH 103	History of Art III	3.0
ARTH 300 [WI]	History of Modern Design	3.0
VSST 108	Design I for Media	3.0
VSST 109	Design II for Media	3.0
VSST 110	Introductory Drawing	3.0
VSST 111	Figure Drawing I	3.0
Media and Computer Science Requirements		
CS 171	Computer Programming I	3.0
FMTV 110	Basic Cinematography	3.0
FMTV 206	Audio Production and Post	3.0
GMAP 231	Scripting for Game Design	3.0
SCRP 270 [WI]	Screenwriting I	3.0
Digital Media Core Requirements		
ANIM 140	Computer Graphics Imagery I	3.0
ANIM 145	Realtime Visualization	3.0
ANIM 211	Animation I	3.0
DIGM 105	Overview of Digital Media	3.0
DIGM 350 [WI]	Digital Storytelling	3.0
DIGM 451 [WI]	Explorations in New Media	3.0
DIGM 475 [WI]	Seminar: The Future of Digital Media	3.0
DIGM 490	Digital Media Senior Project [†]	9.0
DIGM 491	Digital Media Senior Project Studio [†]	3.0
GMAP 260	Overview of Computer Gaming	3.0
PROD 215	Design Thinking in Product Design	4.0
Gaming Requirements		
GMAP 101	Game Design Lab I	3.0
GMAP 102	Game Design Lab II	3.0
GMAP 121	Game Playtesting (Taken two times.)	2.0
GMAP 123	Basic Portfolio	1.0
GMAP 211	Game User Interface Design	3.0
GMAP 246	Advanced Portfolio (Taken three times.)	3.0
GMAP 301	Game History	3.0
GMAP 345	Game Development Foundations	3.0
GMAP 367	Character Animation for Gaming	3.0
GMAP 377	Game Development: Workshop I	3.0
GMAP 378	Game Development: Workshop II	3.0
GMAP 395	Advanced Game Design and Production	3.0
Select four of the following Gaming electives		**12.0**
ANIM 212	Animation II	
ENTP 105	Entrepreneurial Thinking	
GMAP 341	Serious Games	
GMAP 342	Experimental Games	
GMAP 360	Game Design from the Player's Perspective	
GMAP 368	Artificial Intelligence in Gaming	
GMAP 369	Mobile Game Development	
GMAP T180	Special Topics in Game Art and Production	
GMAP T280	Special Topics in Game Art and Production	
GMAP T380	Special Topics in Game Art and Production	
GMAP T480	Special Topics in Game Art and Production	
SCRP 290	Game: Universe & Story	
SCRP 295	Future of Narrative Games	
VRIM 388	Motion Capture I	

VRIM 488	Motion Capture II	
Total Credits		**191.0**

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

   COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

**   Select from 100-499 level courses, including T380-T480 in AFAS, ARCH, ARTH, COM, DANC, ENGL, FMST, GST, HIST, INTR, IST, JWST, LANG, LING, MENA, MUSC, PHIL, PHTO, PPE, PBHL, RELS, SCRP, THTR, TVST, VSCM, WGST, WRIT.

***   Select from 100-499 level courses, including T380-T480, in AFAS, ANTH, CJS, CS, ECON, ENSS, ENVS, PSCI, PSY, PBHL, SOC, WGST.

†   DIGM 490 and DIGM 491 are repeated three times each to complete the DIGM Capstone Senior Project sequence.

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plan of Study

4 year, 1 co-op (Fall/Winter)

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
CS 171	3.0	ANIM 140	3.0	ANIM 145	3.0	VACATION	
ENGL 101 or 111	3.0	ENGL 102 or 112	3.0	CIVC 101	1.0		
GMAP 101	3.0	GMAP 102	3.0	ENGL 103 or 113	3.0		
PHYS 170	3.0	GMAP 123	1.0	FMTV 110	3.0		
PHYS 171	1.0	PHYS 175	3.0	GMAP 121	1.0		
UNIV A101 (Department Specific)	1.0	PHYS 176	1.0	MATH 101	4.0		
VSST 110	3.0	UNIV A101 (Program Specific)	1.0	VSST 109	3.0		
		VSST 108	3.0				
	17		**18**		**18**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ANIM 211	3.0	ARTH 102	3.0	COM 230	3.0	ARTH 103	3.0
DIGM 105	3.0	COOP 101*	1.0	GMAP 246	1.0	DIGM 350	3.0
GMAP 211	3.0	GMAP 231	3.0	GMAP 345	3.0	FMTV 206	3.0
GMAP 260	3.0	GMAP 367	3.0	SCRP 270 (Free Elective)	3.0	GMAP 395	3.0
GMAP 301	3.0	PROD 215	4.0	Free Elective	3.0	Gaming Elective	3.0
		VSST 111	3.0	Gaming Elective	3.0		
	15		**17**		**16**		**15**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP EXPERIENCE		COOP EXPERIENCE		ARTH 300	3.0	DIGM 475	3.0
				DIGM 451	3.0	GMAP 121	1.0
				GMAP 246	1.0	GMAP 378	3.0
				GMAP 377	3.0	Free Elective	3.0
				Arts and Humanities Elective	3.0	Gaming Elective	3.0
				Gaming Elective	3.0	Social Science Elective	3.0
	0		**0**		**16**		**16**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits
DIGM 490	3.0	DIGM 490	3.0	DIGM 490	3.0
DIGM 491	1.0	DIGM 491	1.0	DIGM 491	1.0
Free Electives	6.0	GMAP 246	1.0	Free Electives	5.0
Literature (ENGL) Elective	3.0	Free Electives	6.0	History (HIST) Elective	4.0
Social Science Elective	3.0	Social Science Elective	3.0		
	16		**14**		**13**

Total Credits 191

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

4 year, 1 co-op (Spring/Summer)

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
CS 171	3.0	ANIM 140	3.0	ANIM 145	3.0	VACATION	
ENGL 101 or 111	3.0	ENGL 102 or 112	3.0	CIVC 101	1.0		
GMAP 101	3.0	GMAP 102	3.0	ENGL 103 or 113	3.0		
PHYS 170	3.0	GMAP 123	1.0	FMTV 110	3.0		
PHYS 171	1.0	PHYS 175	3.0	GMAP 121	1.0		
UNIV A101 (Department Specific)	1.0	PHYS 176	1.0	MATH 101	4.0		
VSST 110	3.0	UNIV A101 (Program Specific)	1.0	VSST 109	3.0		
		VSST 108	3.0				
	17		**18**		**18**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ANIM 211	3.0	ARTH 102	3.0	COM 230	3.0	ARTH 103	3.0
DIGM 105	3.0	GMAP 231	3.0	GMAP 246	1.0	COOP 101[*]	1.0
GMAP 211	3.0	GMAP 367	3.0	GMAP 345	3.0	DIGM 350	3.0
GMAP 260	3.0	PROD 215	4.0	SCRP 270	3.0	FMTV 206	3.0
GMAP 301	3.0	VSST 111	3.0	Free Elective	3.0	GMAP 395	3.0
				Gaming Elective	3.0	Gaming Elective	3.0
	15		**16**		**16**		**16**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARTH 300	3.0	DIGM 475	3.0	COOP EXPERIENCE		COOP EXPERIENCE	
DIGM 451	3.0	GMAP 121	1.0				
GMAP 246	1.0	GMAP 378	3.0				
GMAP 377	3.0	Free Elective	3.0				
Arts and Humanities Elective	3.0	Gaming Elective	3.0				
Gaming Elective	3.0	Social Science Elective	3.0				
	16		**16**		**0**		**0**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits
DIGM 490	3.0	DIGM 491	1.0	DIGM 490	3.0
DIGM 491	1.0	DIGM 490	3.0	DIGM 491	1.0
Free Electives	6.0	GMAP 246	1.0	Free Electives	5.0
Literature (ENGL) Elective	3.0	Free Electives	6.0	History (HIST) Elective	4.0
Social Science Elective	3.0	Social Science Elective	3.0		
	16		**14**		**13**

Total Credits 191

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.
      COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

5 year, 3 co-op (Fall/Winter)

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
CS 171	3.0	ANIM 140	3.0	ANIM 145	3.0	VACATION	
ENGL 101 or 111	3.0	COOP 101*	1.0	CIVC 101	1.0		
GMAP 101	3.0	ENGL 102 or 112	3.0	ENGL 103 or 113	3.0		
PHYS 170	3.0	GMAP 102	3.0	FMTV 110	3.0		
PHYS 171	1.0	GMAP 123	1.0	GMAP 121	1.0		
UNIV A101 (Department Specific)	1.0	PHYS 175	3.0	MATH 101	4.0		
VSST 110	3.0	PHYS 176	1.0	VSST 109	3.0		
		UNIV A101 (Program Specific)	1.0				
		VSST 108	3.0				
	17		19		18		0

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP EXPERIENCE		COOP EXPERIENCE		ANIM 211	3.0	ARTH 102	3.0
				DIGM 105	3.0	GMAP 231	3.0
				GMAP 211	3.0	GMAP 367	3.0
				GMAP 260	3.0	PROD 215	4.0
				GMAP 301	3.0	VSST 111	3.0
	0		0		15		16

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP EXPERIENCE		COOP EXPERIENCE		COM 230	3.0	ARTH 103	3.0
				GMAP 246	1.0	DIGM 350	3.0
				GMAP 345	3.0	FMTV 206	3.0
				SCRP 270	3.0	GMAP 395	3.0
				Free Elective	3.0	Gaming Elective	3.0
				Gaming Elective	3.0		
	0		0		16		15

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP EXPERIENCE		COOP EXPERIENCE		ARTH 300	3.0	DIGM 475	3.0
				DIGM 451	3.0	GMAP 121	1.0
				GMAP 246	1.0	GMAP 378	3.0
				GMAP 377	3.0	Free Elective	3.0
				Arts and Humanities Elective	3.0	Gaming Elective	3.0
				Gaming Elective	3.0	Social Science Elective	3.0
	0		0		16		16

Fifth Year

Fall	Credits	Winter	Credits	Spring	Credits
DIGM 490	3.0	DIGM 490	3.0	DIGM 490	3.0
DIGM 491	1.0	DIGM 491	1.0	DIGM 491	1.0
Free Electives	6.0	GMAP 246	1.0	Free Electives	5.0
Literature (ENGL) Elective	3.0	Free Electives	6.0	History (HIST) Elective	4.0
Social Science Elective	3.0	Social Science Elective	3.0		
	16		14		13

Total Credits 191

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COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

5 year, 3 co-op (Spring/Summer)

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
CS 171	3.0	ANIM 140	3.0	ANIM 145	3.0	VACATION	
ENGL 101 or 111	3.0	ENGL 102 or 112	3.0	CIVC 101	1.0		
GMAP 101	3.0	GMAP 102	3.0	COOP 101[*]	1.0		
PHYS 170	3.0	GMAP 123	1.0	ENGL 103 or 113	3.0		
PHYS 171	1.0	PHYS 175	3.0	FMTV 110	3.0		
UNIV A101 (Department Specific)	1.0	PHYS 176	1.0	GMAP 121	1.0		
VSST 110	3.0	UNIV A101 (Program Specific)	1.0	MATH 101	4.0		
		VSST 108	3.0	VSST 109	3.0		
	17		**18**		**19**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ANIM 211	3.0	ARTH 102	3.0	COOP EXPERIENCE		COOP EXPERIENCE	
DIGM 105	3.0	GMAP 231	3.0				
GMAP 211	3.0	GMAP 367	3.0				
GMAP 260	3.0	PROD 215	4.0				
GMAP 301	3.0	VSST 111	3.0				
	15		**16**		**0**		**0**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COM 230	3.0	ARTH 103	3.0	COOP EXPERIENCE		COOP EXPERIENCE	
GMAP 246	1.0	DIGM 350	3.0				
GMAP 345	3.0	FMTV 206	3.0				
SCRP 270	3.0	GMAP 395	3.0				
Free Elective	3.0	Gaming Elective	3.0				
Gaming Elective	3.0						
	16		**15**		**0**		**0**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARTH 300	3.0	DIGM 475	3.0	COOP EXPERIENCE		COOP EXPERIENCE	
DIGM 451	3.0	GMAP 121	1.0				
GMAP 246	1.0	GMAP 378	3.0				
GMAP 377	3.0	Free Electives	3.0				
Arts and Humanities Elective	3.0	Gaming Elective	3.0				
Gaming Elective	3.0	Social Science Elective	3.0				
	16		**16**		**0**		**0**

Fifth Year

Fall	Credits	Winter	Credits	Spring	Credits
DIGM 490	3.0	DIGM 490	3.0	DIGM 490	3.0
DIGM 491	1.0	DIGM 491	1.0	DIGM 491	1.0
Free Electives	6.0	GMAP 246	1.0	Free Electives	5.0
Literature (ENGL) Elective	3.0	Free Electives	6.0	History (HIST) Elective	4.0
Social Science Elective	3.0	Social Science Elective	3.0		
	16		**14**		**13**

Total Credits 191

[*]   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.
COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

Co-op/Career Opportunities

Drexel students have broad training in all areas of game design and production, and our students have career opportunities in both entertainment gaming and broader simulation/training industries, and anywhere interactive gaming technology is applied - a growing segment in all industries.

Co-op Experiences

Building a career often begins with a few key contacts - especially through alums already working professionally - and the co-op program gives Drexel students the chance to meet professionals, make their skills known, and build their personal network.

In addition to small and large entertainment companies, students have opportunities to explore how game design is applicable to many local and international industries ranging from aerospace to pharmaceuticals to home and yacht design.

Recent co-op opportunities include game and digital media jobs in Philadelphia region companies like *Art Sphere, Big Moxi Games, Comcast, DVNC Tech, eNable Games, Entrepreneurial Game Studio, GLIDE Lab, Gossamer Games, iD Tech Game Design & Development Academy, IDEA, Night Kitchen Interactive, Penn Medicine, PHL Collective, QuadraTron Games, Skyless Game Studios, Tipping Point Media, and Virtual Health.*

Students also secured game and digital media co-ops at national and international companies, like *Activision* in Los Angeles, *Amazon Robotics* remotely, *EA Games* remotely, *Infinity Ward* remotely *Rockstar Games* in San Diego, *Treyarch* remotely, *Twisted Ark* in Helsinki, and *Inter Media Japan* in Tokyo.

Career Experiences

Our network of successful game development alum work in leading entertainment companies including *343 Industries, Activision, Avalanche*, *Blizzard, Disney, EA Games, Epic Games, Filament Games, Firaxis Games, Gearbox Software, Ghost Story Games, Industrial Light & Magic, Infinity Ward, Insomniac, Irrational Games, Level Ex, Magic Fuel Games, Microsoft Studios, Microsoft Xbox, Midway, Mojang, NCsoft, NeatherRealm Studios, Nexon, Oculus VR, Raven Software, Riot Games, Rockstar Games, Rovio, Running With Scissors, Schell Games, Sony SCEA, Spry Fox, The Coalition, Turn 10 Studios, Volition, ZeniMax Online, and Zynga.*

Other students chose small-to-mid-size studios or launch their own digital media enterprises, like *Tom Fulp (BS '02)*, founder of *Newgrounds.com*, or indie game companies, like *Dan Fornace (BS '11)*, creator of *Rivals of Aether*, *Greg Lobanov (BS '14)*, creator of *Wandersong & Chicory,* or *Tom Sharpe (BS '16),* director of *Gossamer Games* and their award-winning title, *Sole*. Students also chose to work outside of entertainment by applying their game production skills to training, simulation, marketing, or education endeavors with companies including *Amazon Robotics, BRDG Studios, Comcast Labs, Fred Rogers Productions, Lockheed Martin, Tipping Point Media, and Vanguard.*

Jobs titles include *Art Director, Art Producer, Animator, Associate Producer, Character Animator, Cinematic Lead, Cinematics Animator, Community Manager, Digital Project Coordinator, Director of Virtual Production, Facial Capture Artist, Game Designer, Lead Cinematic Animator, Lead Technical Director, Lead Virtual Production Manager, Localization Producer, Marketing Manager, Motion Capture Technician, Previsualization Supervisor, Production Coordinator, Program Manager, Programmer, Senior Animator, Senior Artist, Senior Community Manager, Simulation Developer, Technical Artist, and Virtual Production Engineer and Manager.*

Visit the Drexel Steinbright Career Development Center (http://www.drexel.edu/scdc/) page for more detailed information on co-op and post-graduate opportunities.

Dual Accelerated Degrees

BS/MS in Digital Media

The accelerated degree programs enable academically qualified students to earn both a bachelor's and a master's degree in five years instead of six — graduating sooner than they would in traditional programs. In addition, the graduate-level courses students take in their junior and senior years are included in their undergraduate tuition, which saves almost a year's worth of their MS tuition.

Current Drexel students in the 4-year/1-Co-Op and 5-year/3-Co-Op programs may apply for an accelerated degree programs after completing 70.0 credits, but no more than 120.0 credits. Many of our accelerated students have gone on to careers at leading companies including Disney, Dreamworks, Industrial Light & Magic, Microsoft Studios, NCSoft, Netflix, and Pixar.

Game Design and Production Faculty

Paul Diefenbach, PhD *(University of Pennsylvani)*. Associate Professor. Game development, real-time rendering

Frank J. Lee, PhD *(Carnegie Mellon University)*. Professor. Human-computer interaction; cognitive engineering and science, intelligent software agents for games and education.

Robert Lloyd, MFA *(Temple University) Program Director, Game Design & Production*. Associate Teaching Professor. Game development, themed entertainment and motion simulation

Emil Polyak, MDCArtDes *(University of New South Wales)*. Assistant Professor. Cross-disciplinary art and design

Daniel Rose, BS *(Purdue University)*. Assistant Teaching Professor. AAA and freelance game developer and environmental artist

Tony A. Rowe, BS *(Drexel University) Associate Program Director*. Assistant Teaching Professor. AAA game designer, writer and historian.

Michael Wagner, PhD *(Vienna University of Technology) Program Director, Digital Media*. Associate Professor. Educational use of digital media and computer games.

Emeritus Faculty

Theo Artz, BFA *(Tyler School of Art, Temple University)*. Associate Professor. Digital media.

Graphic Design BS

Major: Graphic Design
Degree Awarded: Bachelor of Science (BS)
Calendar Type: Quarter
Minimum Required Credits: 189.0
Co-op Options: One Co-op (Four years)
Classification of Instructional Programs (CIP) code: 50.0409
Standard Occupational Classification (SOC) code: 27-1024

About the Program

Westphal College's Graphic Design curriculum provides a balance of theory and practice in rigorous design study enhanced by general education coursework in the humanities and the physical and social sciences. Students learn to conceptualize, visualize and realize visual communications through the rigor of project-based exploration and experimentation based on the formal foundations of typography, image-making, aesthetics and critical thinking. Graphic Design students are immersed in all aspects of visual communications such as motion, web and interactive design, books, magazines and publications (print and screen based), posters, advertising, packaging, exhibition design and data visualization. Working on two- and three-dimensional projects and electronic media, students utilize the latest applications and emerging technologies to stay current with the industry.

Graphic Design students can also pursue advanced elective coursework in web and motion graphic design, environmental graphic design, experimental publication design and other interdisciplinary special topics projects.

Additional Information

For more information about the major, visit the Graphic Design (https://drexel.edu/westphal/academics/undergraduate/vscm/) program webpage or contact Program Director Bill Rees (wbr24@drexel.edu).

Degree Requirements

General Education Requirements

CIVC 101	Introduction to Civic Engagement	1.0
COOP 101	Career Management and Professional Development [*]	1.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
MATH 119	Mathematical Foundations for Design	4.0
PHYS 175	Light and Sound	3.0
PHYS 176	Computational Lab for Light and Sound	1.0
UNIV A101	The Drexel Experience	2.0
Required Arts and Humanities-students elect a minimum of 9.0 credits [**]		9.0
Required Natural Science-students elect a minimum of 4.0 credits [***]		4.0
Required Social Science-students elect a minimum of 9.0 credits [†]		9.0
Free electives		23.0
Visual Studies Requirements		
ARTH 101	History of Art I	3.0
Select two courses from the following:		6.0
ARTH 102	History of Art II	
ARTH 103	History of Art III	

ARTH 301	Asian Art and Culture	
ARTH 302	Art of India	
ARTH 303	Art of China	
ARTH 314	Contemporary Art	
ARTH 315	History of African-American Art	
ARTH 316	African Art	
ARTH 318	Latin American Art	
ARTH 321	Material Matters in Contemporary Art	
ARTH 331 [WI]	Global Material Culture	
ARTH 340	Women in Art	
PHTO 110	Photography	3.0
VSST 101	Design I	4.0
VSST 102	Design II	4.0
VSST 103	Design III	4.0
VSST 110	Introductory Drawing	3.0
VSST 111	Figure Drawing I	3.0
VSST 301	Painting I	4.0
VSST 321	Screenprint I	4.0
Visual Studies (VSST 200-400) elective		4.0
Graphic Design Requirements		
ARTH 300 [WI]	History of Modern Design	3.0
BUSN 101	Foundations of Business I	4.0
PHTO 210	Intermediate Photography	3.0
VSCM 100	Computer Imaging I	3.0
VSCM 200	Computer Imaging II	3.0
VSCM 220	Web Graphics I	4.0
VSCM 221	Web Graphics II	4.0
VSCM 222	Web Graphics III	4.0
VSCM 230	Visual Communication I	4.0
VSCM 231	Visual Communication II	4.0
VSCM 232	Visual Communication III	4.0
VSCM 240	Typography I	3.0
VSCM 241	Production	3.0
VSCM 242	Typography II	3.0
VSCM 322	Motion Graphics I	4.0
VSCM 332	Visual Communication IV	4.0
VSCM 333	Visual Communication V	4.0
VSCM 340	Typography III	3.0
VSCM 350 [WI]	Graphic Design: 20th Century and Beyond	3.0
VSCM 430	Visual Communication VI	4.0
VSCM 440	Book Design	4.0
VSCM 460	Professional Practice	3.0
VSCM 496	Senior Capstone	3.0
Total Credits		**189.0**

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

       COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

**   Select from 100-499 level courses, including T380-T480 in AFAS, ARCH, ARTH, COM, DANC, ENGL, FMST, GST, HIST, INTR, IST, JWST, LANG, LING, MENA, MUSC, PHIL, PHTO, PPE, PBHL, RELS, SCRP, THTR, TVST, VSCM, WGST, WRIT.

*** Select from 100-499 level courses in ANAT, BIO, CHEM, ENVS, GEO, PHEV, PHYS.

†   Select from 100-499 level courses, including T380-T480, in AFAS, ANTH, CJS, CS, ECON, ENSS, ENVS, PSCI, PSY, PBHL, SOC, WGST.

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plan of Study

4 year, 1 co-op (Fall/Winter)

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARTH 101	3.0	ENGL 102 or 112	3.0	BUSN 101	4.0	VACATION	
ENGL 101 or 111	3.0	PHYS 175	3.0	ENGL 103 or 113	3.0		
UNIV A101	1.0	PHYS 176	1.0	MATH 119	4.0		
VSST 101	4.0	UNIV A101	1.0	VSCM 100	3.0		
VSST 110	3.0	VSST 102	4.0	Arts and Humanities Elective	3.0		
		Art History Elective	3.0				
	14		**15**		**17**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
PHTO 110	3.0	COOP 101[*]	1.0	VSCM 222	4.0	ARTH 300	3.0
VSCM 200	3.0	PHTO 210	3.0	VSCM 232	4.0	CIVC 101	1.0
VSCM 220	4.0	VSCM 221	4.0	VSCM 241	3.0	VSST 321 or 301	4.0
VSCM 230	4.0	VSCM 231	4.0	Free Elective	3.0	Arts and Humanities Elective	3.0
VSCM 240	3.0	VSCM 242	3.0	Social Science Elective	3.0	Natural Science	4.0
		VSST 111	3.0				
	17		**18**		**17**		**15**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP EXPERIENCE		COOP EXPERIENCE		VSCM 322	4.0	VSCM 333	4.0
				VSCM 332	4.0	VSCM 350	3.0
				VSCM 340	3.0	VSST 103	4.0
				Art History Elective	3.0	VSST 301 or 321	4.0
				VSST Elective[**]	4.0		
	0		**0**		**18**		**15**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits
VSCM 430	4.0	VSCM 496 (or Free Elective)	3.0	VSCM 460	3.0
VSCM 440	4.0	Arts and Humanities Elective	3.0	VSCM 496 (or Free Elective)	3.0
Free Elective	3.0	Free Elective	3.0	Free Electives	8.0
Social Science Elective	3.0	Social Science Elective	3.0		
	14		**15**		**14**

Total Credits 189

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.
    COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.
**   Choose any upper-level VSST course for Visual Studies (VSST) elective.
    See degree requirements (p. 73) for list of Graphic Design electives.

4 year, 1 co-op (Spring/Summer)

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARTH 101	3.0	ENGL 102 or 112	3.0	BUSN 101	4.0	VACATION	
ENGL 101 or 111	3.0	PHYS 175	3.0	ENGL 103 or 113	3.0		

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
UNIV A101	1.0	PHYS 176	1.0	MATH 119	4.0		
VSST 101	4.0	UNIV A101	1.0	VSCM 100	3.0		
VSST 110	3.0	VSST 102	4.0	Arts and Humanities Elective	3.0		
				Art History Elective	3.0		
	14		**15**		**17**		**0**
Second Year							
Fall	**Credits**	**Winter**	**Credits**	**Spring**	**Credits**	**Summer**	**Credits**
PHTO 110	3.0	PHTO 210	3.0	COOP 101[*]	1.0	ARTH 300	3.0
VSCM 200	3.0	VSCM 221	4.0	VSCM 222	4.0	CIVC 101	1.0
VSCM 220	4.0	VSCM 231	4.0	VSCM 232	4.0	VSST 321 or 301	4.0
VSCM 230	4.0	VSCM 242	3.0	VSCM 241	3.0	Arts and Humanities Elective	3.0
VSCM 240	3.0	VSST 111	3.0	Free Elective	3.0	Natural Science	4.0
				Social Science Elective	3.0		
	17		**17**		**18**		**15**
Third Year							
Fall	**Credits**	**Winter**	**Credits**	**Spring**	**Credits**	**Summer**	**Credits**
VSCM 322	4.0	VSST 103	4.0	COOP EXPERIENCE		COOP EXPERIENCE	
VSCM 332	4.0	VSCM 333	4.0				
VSCM 340	3.0	VSCM 350	3.0				
Art History Elective	3.0	VSST 301 or 321	4.0				
VSST Elective[**]	4.0						
	18		**15**		**0**		**0**
Fourth Year							
Fall	**Credits**	**Winter**	**Credits**	**Spring**	**Credits**		
VSCM 430	4.0	VSCM 496 (or Free Elective)	3.0	VSCM 460	3.0		
VSCM 440	4.0	Arts and Humanities Elective	3.0	VSCM 496 (or Free Elective)	3.0		
Free Elective	3.0	Free Electives	6.0	Free Electives	8.0		
Social Science Elective	3.0	Social Science Elective	3.0				
	14		**15**		**14**		

Total Credits 189

[*]   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.
COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

[**]   Choose any upper-level VSST course for Visual Studies (VSST) elective.

Co-op/Career Opportunities

Potential employers include advertising agencies, publishers, printers, independent and in-house design studios, museums and galleries, magazines and newspapers, and television. Training in visual communication prepares an individual for careers in many fields because the problem-solving methods and organizational skills it builds are widely applicable.

Co-op Experiences

The following is a sampling of graphic design co-op employers:

- Comcast (http://corporate.comcast.com/)
- Esquire (http://www.esquire.com/)
- The Franklin Institute (https://www.fi.edu/)
- Hasbro (https://corporate.hasbro.com/en-us/)
- Intuitive Company (http://intuitivecompany.com/)
- National Constitution Center (https://constitutioncenter.org/)
- Philadelphia Museum of Art (http://www.philamuseum.org/)
- Philadelphia Union (http://www.philadelphiaunion.com/)
- Quirk Books (http://www.quirkbooks.com/)

- Razorfish (https://razorfish.health/)
- WebLinc (https://www.weblinc.com/)

Career Opportunities

Our Graphic Design alumni go on to successful careers in a range of positions including lead designer, creative director, art director, interaction designer, user experience director, and owner or partner of firms. Some of the companies where you will find our alumni include:

- AgileCat (http://agilecat.com/)
- America's Test Kitchen (https://www.americastestkitchen.com/)
- Ann Taylor Inc (https://www.anntaylor.com/)
- Apple (https://www.apple.com/)
- Bloomberg (https://www.bloomberg.com/)
- Blue Cadet (http://www.bluecadet.com/)
- Brooks Brothers (http://www.brooksbrothers.com/)
- Comcast Corporation (http://corporate.comcast.com/)
- Conde Nast (http://www.condenast.com/)
- eCity Interactive (http://www.ecityinteractive.com/)
- ESPN (http://www.espn.com/)
- exit (http://www.exploreexit.com/)
- Facebook (https://www.facebook.com/careers/?ref=pf)
- The Franklin Institute (https://www.fi.edu/)
- Intuitive Company (http://intuitivecompany.com/)
- Kikkerland (https://kikkerland.com/)
- Longwood Gardens (https://longwoodgardens.org/)
- Marvel Entertainment (http://marvel.com/)
- Michael Graves Design Group (https://michaelgraves.com/)
- National Constitution Center (https://constitutioncenter.org/)
- QVC (http://www.qvc.com/)
- Philadelphia Museum of Art (http://www.philamuseum.org/)
- Sesame Workshop (http://www.sesameworkshop.org/)
- Time Inc. (https://time.com/)
- Under Armour (https://www.underarmour.com/en-us/)
- Vera Bradley (https://www.verabradley.com/us/Home/)

Visit the Drexel Steinbright Career Development Center (http://www.drexel.edu/scdc/) page for more detailed information on co-op and post-graduate opportunities.

Facilities

The Graphic Design studios are located on the fourth floor of the URBN Center in the Antoinette Westphal College of Media Arts and Design. There are five dedicated studios equipped with up-to-date electronic and traditional tools. Studios have work surfaces for traditional practices that will accommodate fifteen students and wall surfaces for critiques or posting examples of printed work. In addition, students have access to a dedicated, non-scheduled graphic design "open lab" equipped with all necessary technology and work surfaces.

Graphic Design Faculty

Joshua Gdovin, BS *(Drexel University)*. Associate Teaching Professor. Graphic design; web graphics; motion graphics, and capstone.

Jody Graff, BS *(Drexel University)*. Associate Professor. Graphic design; publication design, annual report design, three-dimensional graphics and packaging, environmental graphic design (exhibition and wayfinding), and capstone.

Eric Karnes, MFA *(Virginia Commonwealth University)*. Assistant Professor. Graphic design; logo design, corporate identity, typography, advanced typography, publication design, book design, professional portfolio, capstone.

William Rees, BS *(Drexel University) Program Director, Graphic Design*. Teaching Professor. Graphic design; logo design, corporate identity, publication design, electronic imaging, print production, professional portfolio, and thesis.

Mark Willie, MFA *(Boston Museum School of Fine Arts) Associate Program Director*. Teaching Professor. Graphic design; typography, logo design, corporate identity, publication design, book design, professional portfolio, and capstone.

Shushi Yoshinaga, BFA *(Philadelphia College of the Arts)*. Associate Professor. Graphic design; letterform, typography, and capstone.

Emeritus Faculty

Sandy Stewart, BFA *(Tyler School of Art, Temple University)*. Associate Professor Emeritus. Graphic design, logo design, corporate identity, publication design, three-dimensional graphics and packaging, and capstone.

Interior Design BS

Major: Interior Design
Degree Awarded: Bachelor of Science (BS)
Calendar Type: Quarter
Minimum Required Credits: 187.0
Co-op Options: One Co-op (Four years)
Classification of Instructional Programs (CIP) code: 50.0408
Standard Occupational Classification (SOC) code: 27-1025

About the Program

The undergraduate Interior Design program explores the behavioral, technological, environmental, and aesthetic aspects of interior design within the context of increasingly more complex design projects. Combined with art and art history, and general education requirements, a core of interior design courses creates a unique education at the forefront of design. Through academics grounded in problem-solving design studios, cooperative employment, and a dedicated faculty, the Interior Design program prepares students for leadership positions in the industry. The Interior Design program is consistently ranked among the top programs in the country and in the survey by DesignIntelligence of "America's Best Design Schools."

The BS in Interior Design program is CIDA (Council for Interior Design Accreditation) and NASAD (National Association of Schools of Art & Design) accredited.

Program Philosophy and Mission

The mission of the Interior Design program is to prepare students to enter the field of interior design as skilled designers, creative thinkers, professional leaders, and responsible citizens. We cultivate students who acknowledge their responsibilities to the safety and well-being of the public and the stewardship of the environment to lead a multifaceted profession in an ever-changing world. The curriculum combines a studio-based design sequence with broad liberal arts study and experiential learning. Paired with a well-established professional co-op, the coursework is structured to build upon the fundamentals of interior design and to anticipate and reflect change in a continually evolving industry. The program encourages exploration and experimentation that fosters lifelong learners who will contribute to the profession and the discipline's body of knowledge.

Additional Information

For more information about this program, visit the College's Interior Design (http://www.drexel.edu/westphal/academics/undergraduate/INTR/) webpage.

Degree Requirements

General Education requirements

CIVC 101	Introduction to Civic Engagement	1.0
COOP 101	Career Management and Professional Development [*]	1.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
MATH 101	Introduction to Analysis I	4.0
PHYS 175	Light and Sound	3.0
PHYS 176	Computational Lab for Light and Sound	1.0
SOC 101	Introduction to Sociology	3.0
UNIV A101	The Drexel Experience	2.0
Required Arts and Humanities-students elect a minimum of 9.0 credits [**]		9.0
Required Natural Science-students elect a minimum of 3.0 credits [***]		3.0
Required Social Science-students elect a minimum of 6.0 credits [†]		6.0
Free electives		24.0
Art & Design History requirements		

ARCH 141	Architecture and Society I	3.0
ARCH 142	Architecture and Society II	3.0
ARCH 143	Architecture and Society III	3.0
ARTH 103	History of Art III	3.0
Visual Studies requirements		
VSST 101	Design I	4.0
VSST 102	Design II	4.0
VSST 103	Design III	4.0
VSST 110	Introductory Drawing	3.0
VSST 201	Multimedia: Performance	4.0
or VSST 202	Multimedia: Space	
VSST 203	Multimedia: Materials	4.0
VSST 301	Painting I	4.0
or VSST 311	Sculpture I	
Interior Design requirements		
INTR 160	Visualization I: Computer Imaging	3.0
INTR 211	Textiles for Interiors	3.0
INTR 220	Visualization II: Orthographic	3.0
INTR 225	Environmental Design Theory	3.0
INTR 241	Visualization III: Digital	3.0
INTR 322	Interior Studio I	4.0
INTR 323	Interior Studio II	4.0
INTR 245	Visualization IV: 3D Modeling	3.0
INTR 250	Interior Materials	3.0
INTR 300 [WI]	Visual Culture: Interiors	3.0
INTR 305 [WI]	Visual Culture: Furniture	3.0
INTR 331	Residential Design Studio	4.0
INTR 341	Visualization V: Methods	3.0
INTR 342	Hospitality Design Studio	4.0
INTR 350	Interior Detailing	3.0
INTR 351	Interior Lighting	3.0
INTR 430	Commercial Design Studio	4.0
INTR 440	Health & Wellness ID Studio	4.0
INTR 441	Furniture Design	4.0
INTR 445	Contract Documentation for Interior Design	3.0
INTR 450 [WI]	Professional Practice	3.0
INTR 451	Interior Systems	3.0
INTR 491	Senior Project I	3.0
INTR 492	Senior Project II	3.0
INTR 493	Senior Project III	3.0
Total Credits		**187.0**

*	Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

**	Select 9.0 credits from 100-499 level courses, including T380, T480 in AFAS, ARCH, ARTH, COM, DANC, ENGL, FMST, GST, HIST, INTR, IST, JWST, LANG, LING, MENA, MUSC, PHIL, PHTO, PPE, PBHL, RELS, SCRP, THTR, TVST, VSCM, WGST, WRIT

***	Select 3.0 credits from 100-499 level courses in ANAT, ENVS, PHEV, BIO, GEO, PHYS, CHEM, NFS (must take NFS 100 +NFS 101 to earn credit)

†	Select 6.0 credits from from 100-499 level courses, including T380, T480 in AFAS, ANTH, CJS, CS, ECON, ENSS, ENVS, PSCI, PSY, PBHL, SOC, WGST

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/

english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plans of Study

4 year, 1 coop (Fall/Winter)

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARCH 141	3.0	ARCH 142	3.0	ARCH 143	3.0	VACATION	
ENGL 101 or 111	3.0	ENGL 102 or 112	3.0	CIVC 101	1.0		
MATH 101	4.0	UNIV A101	1.0	ENGL 103 or 113	3.0		
UNIV A101	1.0	VSST 102	4.0	INTR 160	3.0		
VSST 101	4.0	VSST 110	4.0	VSST 103	4.0		
		Arts & Humanities elective	3.0	Free elective	3.0		
	15		**17**		**17**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARTH 103	3.0	COOP 101*	1.0	INTR 211	3.0	INTR 245	3.0
INTR 220	3.0	INTR 241	3.0	INTR 331	4.0	INTR 300	3.0
INTR 225	3.0	INTR 305	3.0	INTR 341	3.0	INTR 342	4.0
INTR 250	3.0	INTR 323	3.0	Natural Science elective	4.0	INTR 350	3.0
INTR 322	4.0	PHYS 175	4.0	Social Science elective	3.0	VSST 202 or 201	4.0
		PHYS 176	1.0				
		SOC 101	3.0				
	16		**18**		**16**		**17**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP EXPERIENCE		COOP EXPERIENCE		INTR 351	3.0	Arts & Humanities elective	3.0
				INTR 430	4.0	Free electives	9.0
				INTR 451	3.0	Social Science elective	3.0
				VSST 203	4.0		
				Arts & Humanities elective	3.0		
	0		**0**		**17**		**15**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits
INTR 440	4.0	INTR 445	3.0	INTR 441	4.0
INTR 491	3.0	INTR 450	3.0	INTR 493	3.0
VSST 301 or 311	4.0	INTR 492	3.0	Free elective	3.0
Free elective	3.0	Free elective	3.0	Free elective	3.0
	14		**12**		**13**

Total Credits 187

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.
COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

4 year, 1 coop (Spring/Summer)

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARCH 141	3.0	ARCH 142	3.0	ARCH 143	3.0	VACATION	
ENGL 101 or 111	3.0	ENGL 102 or 112	3.0	CIVC 101	1.0		
MATH 101	4.0	UNIV A101	1.0	ENGL 103 or 113	3.0		
UNIV A101	1.0	VSST 102	4.0	INTR 160	4.0		
VSST 101	4.0	VSST 110	4.0	VSST 103	3.0		

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
		Arts & Humanities elective		Free elective	3.0		3.0
15		**17**		**17**		**0**	

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARTH 103	3.0	COOP 101*	1.0	INTR 211	3.0	INTR 245	3.0
INTR 220	3.0	INTR 241	3.0	INTR 331	4.0	INTR 300	3.0
INTR 225	3.0	INTR 305	3.0	INTR 341	3.0	INTR 342	4.0
INTR 250	3.0	INTR 323	3.0	Natural Science elective	4.0	INTR 350	3.0
INTR 322	4.0	PHYS 175	4.0	Social Science elective	3.0	VSST 203	4.0
		PHYS 176	1.0				
		SOC 101	3.0				
16		**18**		**16**		**17**	

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
INTR 351	3.0	INTR 441	4.0	COOP EXPERIENCE		COOP EXPERIENCE	
INTR 430	4.0	Arts & Humanities elective	3.0				
INTR 451	3.0	Free electives	6.0				
VSST 202 or 201	4.0	Social Science elective	3.0				
Free elective	3.0						
17		**16**		**0**		**0**	

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits
INTR 440	4.0	INTR 445	3.0	INTR 493	3.0
INTR 491	3.0	INTR 450	3.0	Arts & Humanities elective	3.0
VSST 301 or 311	4.0	INTR 492	3.0	Free electives	3.0
Free elective	3.0	Free elective	3.0	Free elective	3.0
14		**12**		**12**	

Total Credits 187

* Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

Co-op/Career Opportunities

Interior design is a multi-faceted field and includes careers with interior design firms, architectural firms, and facilities management organizations; in governmental agencies; and in the furniture and textile industries. Full-time paid employment in the profession is an integral component of the program at Drexel. The six-month co-operative education, undertaken in the junior year, provides project-based experience as well as the daily operation of a design firm. Students may opt to do their co-op in Philadelphia or in another location of their choosing. Through a required course and career advisement services offered by the Steinbright Career Development Center, students develop the ability to market themselves and obtain jobs in leading firms worldwide.

Co-op Experiences

Some past co-op employers of Interior Design students include:

- Ballinger
- CCCS International
- Children's Hospital of Philadelphia Facilities
- D2 Groups, Inc.
- D&Q Decor
- D.L. Milner, Inc.
- Daroff Design
- DAS
- Design East, Inc.
- Design Works, LLC
- Disney

- Dyer Brown
- Eberlein Design Consultants
- Ewing Cole
- Floss Barber Inc.
- Fury Design, Inc.
- Gardner/Fox
- Gensler
- HBA International
- Hillier Lewis
- Herman Miller
- HOK
- Jacobs Engineering Group
- Jennifer Stoner Interiors
- Knoll International
- KSD Architects
- L2 Partridge
- Marguerite Rogers
- Millesime
- NBBJ Architecture PLLC
- NELSON
- Office Works
- Perkins Eastman
- Polisena Construction, Inc.
- Princeton University
- RJMJ
- SGRA Architects
- Shanghai I.P.C. Interior Design and Construction Company
- Stantec
- TPG Architecture
- University of Pennsylvania
- West Chester University
- Wolf Creek Investment Management
- WPL Interior Design

Visit the Drexel Steinbright Career Development Center (http://www.drexel.edu/scdc/) webpage for more detailed information on co-op and post-graduate opportunities.

Facilities

The Interior Design and Interior Architecture & Design programs are housed in URBN Center, an original Venturi Scott Brown building enhanced by an award-winning retrofit by MS&R Design, which includes a skylight-covered atrium, exposed beams, and open spaces. There are dedicated 24-hour undergraduate and graduate student studios with storage space, computers, and a small lounge area. We have a materials library that is continually updated with samples from major manufacturers and local design offices and showrooms; two computer labs and in-house printing for the use of our students; a Hybrid Making Lab (http://drexel.edu/westphal/about/overview/making_spaces/HybridMakingLab/) with laser cutters, 3-D printers, a CNC router, and small-scale power tools for student use; additionally, a large shop facility which offers wood, metal, casting, CNC, and fabrication equipment.

The URBN Annex houses a black box theater, screening room, and the Leonard Pearlstein Gallery (http://www.drexel.edu/pearlsteingallery/). Additional studio and classroom space in the Academic Building and the Design Arts Annex accommodate photography, basic design, painting, sculpture, and a full woodworking shop, including metal, resin, casting, CNC, and fabrication equipment with industrial-quality equipment.

Philadelphia, one of the nation's major design centers and a UNESCO World Heritage Site, gives interior design students the vitality of the contemporary arts at local galleries and easy access to many museums, libraries, and renowned buildings, as well as design centers located in Philadelphia, New York City, and Washington, D.C.

Interiors Faculty

Ulrike Altenmüller-Lewis, AIA, NOMA, Dr.-Ing. *(Bauhaus Universität Weimar) Department Head, Architecture, Design & Urbanism.* Associate Professor. Research on educational environments; playful learning; participatory and community design processes; JEDI in arch. education; translations of architectural theory texts.

Rena Cumby, BArch, MS *(Drexel University).* Associate Professor. Interior designer; foundation studies and design education.

Nicole Koltick, MArch *(University of California, Los Angeles) Director, Design Futures Lab.* Associate Professor. Researching possibilities for architecture and design through the use of unexpected and innovative interdisciplinary models; computational design, design research, philosophy and theory of design, speculative design

William Mangold, NCIDQ, M.Phil *(City University of New York).* Assistant Professor.

M. Marie Mastrobattista, IDEC, IIDA, LEED, GA, MS *(Drexel University).* Assistant Teaching Professor. Senior living, affordable housing, residential, educational and commercial design.

Diana S. Nicholas, RA, AIA, NCARB, MFA *(University of the Arts, Philadelphia) Director of MS Design Research, Coordinator, Sustainability in the Built Environment Minor.* Associate Professor. Coordinator, Sustainability in the Built Environment Researching Health in residential urban environment and interprofessional collaboration

Debra Ruben, NCIDQ, IDEC, LEED AP, MS *(Drexel University) Academic Associate Dean; Interim Associate Dean, Graduate Studies.* Associate Professor. Interior design, participatory design; play spaces.

Jihyun Song, IDEC, LEED, AP, MS, MFA *(University of Wisconsin-Madison, Ewha Woman's University in Seoul).* Associate Teaching Professor. Wayfinding design principles in architectural interior spaces; healthcare design; evidence-based design.

Frances Temple-West, AIA, NCARB, LEED GA, MArch *(Virginia Tech) Program Director of the Interiors Graduate Programs.* Assistant Teaching Professor. Principal, Frances Temple-West Architect; retail, corporate/commercial, and residential design

Ada Tremonte, NCIDQ, IDEC, IIDA, MS *(Drexel University) Program Director for the Interior Design Undergraduate Program.* Teaching Professor. President, a d a Design Associates, Inc.; educational and corporate/commercial design

Emeritus Faculty

Mark Brack, PhD *(University of California at Berkeley).* Professor Emeritus. British and American architecture from 1700 to the present; Hispanic colonial architecture in the American Southwest; vernacular architecture; historic preservation.

Sylvia Clark, MArch *(University of Pennsylvania).* Professor Emeritus.

Eugenia Ellis, PhD, AIA *(Virginia Polytechnic Institute and State University).* Professor Emerita. Natural and electrical light sources and effects on biological rhythms and health outcomes; ecological strategies for smart, sustainable buildings of the nexus of health, energy, and technology.

Photography BS

Major: Photography
Degree Awarded: Bachelor of Science (BS)
Calendar Type: Quarter
Minimum Required Credits:180.0
Co-op Options: One Co-op (Four years)
Classification of Instructional Programs (CIP) code: 50.0605
Standard Occupational Classification (SOC) code: 27-4021

About the Program

The Drexel University Photography Program is one of the most elite of its kind in the United States. The students who have completed the Bachelor of Science Photography degree at Drexel have gone on to win The Pulitzer Prize for Photojournalism and The John Simon Guggenheim Fellowship for the arts (https://www.gf.org/fellows/all-fellows/jeffrey-stockbridge/). Their work has also been featured at AIPAD (https://searspeyton.com/exhibition/103/exhibition_works/7951/), one of the world's most prestigious annual photography events and in Times Square, New York City. In the Spring of 2020, Hannah Beier's Senior Thesis project, "Time Apart," was featured on the cover of Time Magazine (https://time.com/5839765/college-graduation-2020/). Along with the cover, she had a portfolio of images that were featured inside the magazine.

In addition, alumni have had their work featured in the New York Times Magazine (https://www.nytimes.com/2017/09/26/magazine/how-fake-news-turned-a-small-town-upside-down.html), Time Magazine, Philadelphia Magazine, Architectural Digest (https://www.architecturaldigest.com/story/inside-the-century-old-new-jersey-home-of-squawk-box-joe-kernen/), Martha Stewart Living, Newsweek, and Italian Vogue (https://www.vogue.it/en/photography/photostories/2017/05/26/inside-out-by-harris-mizrahi/). Along with being included in these publications, our alumni have their

work included in the permanent collection of the Philadelphia Museum of Art (https://www.philamuseum.org/collections/permanent/337608.html?mulR=1528382777%7C1) and PAFA (https://www.pafa.org/museum/collection-artist/jeffrey-stockbridge/). The Drexel University Photography Program is without peer in regard to the student outcomes we have achieved.

Our Photography major is unique in the United States because of our teaching approach which blends a high degree of visual literacy together with cutting edge lessons in technology. We prepare our students for the marketplace by teaching every aspect of the medium, beginning in the darkroom, moving on to complex still digital techniques, and incorporating motion and video. Couple all these lessons with the value of having a six-month co-op in the industry and three courses dedicated to photographic business practices and you have the reason why our students have such a high placement rate after graduation.

The College's extensive photographic facilities (https://drexel.edu/westphal/academics/undergraduate/PHTO/Facilities/) are available to every photography major at Drexel.

Additional Information

For more information about this major, visit the College's Photography (https://drexel.edu/westphal/academics/undergraduate/PHTO/) website.

Degree Requirements

General Education requirements		
COOP 101	Career Management and Professional Development [*]	1.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
MATH 119	Mathematical Foundations for Design	4.0
UNIV A101	The Drexel Experience	2.0
Required Arts and Humanities-students elect a minimum of 9.0 credits		9.0
Required Natural Science-students elect a minimum of 7.0 credits		7.0
Required Social Science-students elect a minimum of 9.0 credits		9.0
Free electives		**30.0**
Visual Studies requirements		
ARTH 101	History of Art I	3.0
ARTH 102	History of Art II	3.0
ARTH 103	History of Art III	3.0
VSST 101	Design I	4.0
VSST 102	Design II	4.0
VSST 110	Introductory Drawing	3.0
VSST 111	Figure Drawing I	3.0
Visual Studies electives		**12.0**
Students select three additional Visual Studies (VSST) courses as electives.		
Photography requirements		
PHTO 110	Photography	3.0
PHTO 141	Digital Photographic Post Production	3.0
PHTO 210	Intermediate Photography	3.0
PHTO 230	Color Photography I	3.0
PHTO 233	Large Format Photography	4.0
PHTO 234	Studio Photography	4.0
PHTO 236	Photojournalism	3.0
PHTO 240	Digital Photography II	3.0
PHTO 253	Fine Black & White Printing	3.0
PHTO 275 [WI]	History of Photography I	3.0
PHTO 276 [WI]	History of Photography II	3.0
PHTO 334	Advanced Studio Photography	4.0
PHTO 340	Digital Photography III	4.0
PHTO 361	Advanced Photography	4.0
PHTO 392	Junior Project in Photography	3.0
PHTO 451	Photography and Business	3.0
PHTO 452 [WI]	History of Contemporary Photography	3.0
PHTO 453	Photography Production	3.0
PHTO 458	Print and Web Portfolio Development	3.0

PHTO 492	Senior Thesis in Photography I	3.0
PHTO 493	Senior Thesis in Photography II	3.0
PHTO 495	Senior Thesis in Photography III	3.0
Photography elective		**3.0**
Students select one course from the following:		
PHTO 225	Looking at Photographs	
PHTO 335	Portraiture	
PHTO 455	Landscape Photography	
PHTO 456	Fashion Photography	
PHTO 457	Palladium Printing	
PHTO 459	Marketing for Photographers	
PHTO 496	Exhibition	
Total Credits		**180.0**

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plan of Study

4 year, 1 co-op

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARTH 101	3.0	ENGL 102 or 112	3.0	ARTH 102	3.0	VACATION	
ENGL 101 or 111	3.0	PHTO 110	3.0	ENGL 103 or 113	3.0		
PHTO 141	3.0	VSST 102	4.0	MATH 119	4.0		
UNIV A101	1.0	UNIV A101	1.0	PHTO 210	3.0		
VSST 101	4.0	Natural Science elective	4.0	Natural Science elective	3.0		
	14		**15**		**16**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARTH 103	3.0	COOP 101	1.0	PHTO 230	3.0	PHTO 236	3.0
PHTO 233	4.0	PHTO 234	4.0	PHTO 276	3.0	PHTO 451	3.0
PHTO 253	3.0	PHTO 240	3.0	VSST 111	3.0	Arts & Humanities elective	3.0
VSST 110	3.0	PHTO 275	3.0	Free elective	3.0	VSST elective*	4.0
Free elective		Free elective	3.0	Social Science elective	3.0		
		Social Science elective					
	16		**17**		**15**		**13**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP EXPERIENCE		COOP EXPERIENCE		PHTO 334	4.0	Arts & Humanities elective	3.0
				PHTO 392	3.0	Free electives	6.0
				VSST elective*	4.0	VSST elective*	4.0

				Social Science elective	3.0
	0		**0**		**14**	**13**

Fourth Year					
Fall	**Credits**	**Winter**	**Credits**	**Spring**	**Credits**
PHTO 361	4.0	PHTO 340	4.0	PHTO 458	3.0
PHTO 452	3.0	PHTO 453	3.0	PHTO 495	3.0
PHTO 492	3.0	PHTO 493	3.0	Free elective	6.0
Arts & Humanities elective	3.0	Free electives	6.0	Photography elective [*]	3.0
Free elective	3.0				
	16		**16**		**15**

Total Credits 180

*   See degree requirements (p. 84).

Co-op/Career Opportunities

Photographers pursue careers in a wide variety of fields. Primary choices among Drexel graduates include journalism, illustration, fashion and advertising, and fine arts.

Positions

- Advertising Photography
- Editorial Photography
- Wedding Photography
- Fine Art Photography
- Fashion Photography
- Sports and Event Photography
- Art Director and Photo Editor at Magazines
- Curatorial Assistant at Photography Galleries and Museums
- Teaching Assistants in public schools
- Digital Technician and Retoucher

Visit the Drexel Steinbright Career Development Center (http://www.drexel.edu/scdc/) page for more detailed information on co-op and post-graduate opportunities.

Photography Faculty

Michael Froio, BS *(Drexel University)*. Adjunct Instructor. Photography; intermediate photography and fine black and white printing.

George McCardle, BS *(Drexel University)*. Adjunct Instructor. Digital Photography III

Andrea Modica, MFA *(Yale University)*. Professor. Photography; portraiture, photojournalism, palladium printing, and thesis.

Joy Moody, BS *(Drexel University)*. Adjunct Instructor. Portraits

Eddy Rhenals, MFA *(University of Delaware)*. Adjunct Instructor.

Diana Rossi, M.Ed *(Arcadia University)*. Adjunct Instructor. Photography and intermediate photography.

Paul Runyon, BFA *(The University of New Mexico) Program Director, Photography*. Associate Professor. Studio photography, view-camera photography, studio lighting, business aspects of photography.

Ashley Smith, MFA *(School of Visual Arts)*. Adjunct Instructor. Photography

Amanda Tinker, MFA *(Temple University)*. Associate Teaching Professor. Photography, history of photography, historical and alternative processes, and intermediate photography.

L. Kylie Wright, BA *(University of Virginia)*. Assistant Teaching Professor. Photography; digital photography, and master printing.

Matt Zugale , BS *(Drexel University)*. Adjunct Instructor. Studio Photography

Product Design BS

Major: Product Design
Degree Awarded: Bachelor of Science (BS)
Calendar Type: Quarter
Minimum Required Credits: 191.0
Co-op Options: One Co-op (Four years)
Classification of Instructional Programs (CIP) code: 11.0105
Standard Occupational Classification (SOC) code: 15-1255; 27-1021; 27-1024; 27-1029

About the Program

Product Design combines the fields of art, engineering, technology, psychology, business, and sociology to design the products, services, and experiences people interact with every day. The program in Product Design focuses on creativity and intellect, while preparing students for careers in a range of product design fields including corporate product design, design consulting, design research, experiential design, entrepreneurial endeavors, sustainable product development, and social impact design initiatives.

The major in Product Design is centered on teaching students the technical skills to develop and design products, services, and experiences for a vast array of industries as well as the strategic problem-finding and problem-solving skills that can be applied across a variety of contexts. Product Design majors will learn design research methods focused on product development, commercialization, and user experience. It will also encourage diverse collaboration to address opportunities in sustainability, social impact design, health, technology, and interdisciplinary product development and innovation.

Students have the opportunity to create products ranging from consumer products, furniture, and toys to medical devices, wearable technology, and interactive experiences through design studio courses, competitions, and campus design jams. Students learn in state-of-the-art facilities that include studios, a modeling shop, digital fabrication lab (laser cutters, 3D printers, and CNC routers), and a smart product lab. The shops, labs, and studios are collaborative, design-centered spaces, built to promote and sustain the studio culture students will enter upon graduation.

Students enrolled in the Product Design major are encouraged to pursue a minor outside of Product Design which allows them to apply their design capabilities toward a specific area of expertise.

Additional Information

For more information about this major, visit the College's Product Design (https://drexel.edu/westphal/academics/undergraduate/prod/) page.

Degree Requirements

In addition to the following requirements for graduation, students enrolled in the Product Design major are encouraged to pursue a minor outside of Product Design that will allow them to apply their design capabilities toward a specific area of expertise.

General Education Requirements		
CHEM 201	Why Things Work: Everyday Chemistry	3.0
CIVC 101	Introduction to Civic Engagement	1.0
COOP 101	Career Management and Professional Development [*]	1.0
COM 220	Qualitative Research Methods	3.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
IDM 214	Human Factors Engineering	3.0
MATH 101	Introduction to Analysis I	4.0
PHYS 170	Electricity and Motion	3.0
PHYS 171	Computational Lab for Electricity and Motion	1.0
PSY 101	General Psychology I	3.0
UNIV A101	The Drexel Experience	1.0
Required Arts and Humanities-students elect a minimum of 6.0 credits [**]		6.0
Required Social Science-students elect a minimum of 3.0 credits [***]		3.0
Required Art History-students elect a minimum of 9.0 credits [†]		9.0
Free electives		27.0
Visual Studies Requirements		
PHTO 110	Photography	3.0
PHTO 234	Studio Photography	4.0

VSCM 230	Visual Communication I	4.0
VSST 101	Design I	4.0
VSST 102	Design II	4.0
VSST 103	Design III	4.0
VSST 110	Introductory Drawing	3.0
VSST 111	Figure Drawing I	3.0
WEST 107	Maker Workshop	3.0
Select one of the following:		4.0
VSST 201	Multimedia: Performance	
VSST 202	Multimedia: Space	
VSST 203	Multimedia: Materials	
Product Design Requirements		
DSMR 100	Computer Imaging I	3.0
DSMR 201	Analysis of Product	3.0
ECON 201	Principles of Microeconomics	4.0
MATE 120	Modern Materials in Your World	3.0
MATE 121	Mechanical Behavior of Materials for Product Design	1.0
MGMT 260	Introduction to Entrepreneurship	4.0
PROD 101	History and Analysis of Product Design	3.0
PROD 205	Applied Making I	3.0
PROD 210	Introduction to Product Design	3.0
PROD 220	Product Design Form Studio	4.0
PROD 225	Computer Aided Imagining in Product Design	3.0
PROD 230	Product Design Process Studio	4.0
PROD 235	Applied Design Visualization	3.0
PROD 245	Seminar Professional Landscape	3.0
PROD 255	Applied Materials in Product Design	3.0
PROD 265	Introduction to CAD Product Design	3.0
PROD 275	Visual Communication for Product Design	3.0
PROD 340	Interdisciplinary Product Design Studio	4.0
PROD 345	Applied Human Centered Design	3.0
PROD 425	Applied Design Research	3.0
PROD 460	Research Synthesis Studio	4.0
PROD 470	Create Build Studio	4.0
PROD 475	Professional Practice in Product Design	3.0
PROD 480	Exhibition Studio	4.0
Optional Product Design Electives		
PROD 215	Design Thinking in Product Design	
PROD 240	Smart Product Design	
PROD T180	Special Topics in Product Design	
PROD T280	Special Topics in Product Design	
PROD T380	Special Topics in Product Design	
PROD T480	Special Topics in Product Design	
PROD I199	Independent Study in Product Design	
PROD I299	Independent Study in Product Design	
PROD I399	Independent Study in Product Design	
PROD I499	Independent Study in Product Design	
Total Credits		**191.0**

*	COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.
**	Select 6.0 credits from 100-499 level, including T380-T480 in AFAS, ARCH, ARTH, COM, DANC, ENGL, FMST, GST, HIST, INTR, IST, JWST, LANG, LING, MENA, MUSC, PHIL, PHTO, PPE, PBHL, RELS, SCRP, THTR, TVST, VSCM, WGST, WRIT
***	Select 3.0 credits from 100-499 level courses, including T380-T480 in AFAS, ANTH, CJS, CS, ECON, ENSS, ENVS, PSCI, PSY, PBHL, SOC, WGST
†	Select 9.0 credits from 100-499 level courses, including T380 and T480, in ARTH

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore

year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plan of Study

4 year, 1 coop

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ENGL 101 or 111	3.0	CIVC 101	1.0	ENGL 103 or 113	3.0	VACATION	
PROD 101	3.0	DSMR 100	3.0	MATH 101	4.0		
UNIV A101	1.0	ENGL 102 or 112	3.0	VSST 103	4.0		
VSST 101	4.0	VSST 102	4.0	VSST 111	3.0		
VSST 110	3.0	WEST 107	3.0	Art History Elective	3.0		
		Art History Elective	3.0				
	14		**17**		**17**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
PROD 205	3.0	MATE 120	3.0	CHEM 201	3.0	COOP 101[*]	1.0
PROD 220	4.0	MATE 121	1.0	DSMR 201	3.0	PHTO 110	3.0
PROD 235	3.0	PROD 210	3.0	ECON 201	4.0	PROD 225	3.0
VSST 201, 202, or 203	4.0	PROD 265	4.0	PROD 230	4.0	PROD 245	3.0
Arts and Humanities Elective	3.0	VSCM 230	3.0	PROD 275	3.0	PROD 255	3.0
		Arts and Humanities Elective	3.0			Free Elective	3.0
	17		**17**		**17**		**16**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
PHYS 170	3.0	COM 220	3.0	COOP EXPERIENCE		COOP EXPERIENCE	
PHYS 171	1.0	IDM 214	3.0				
PROD 340	4.0	PHTO 234	4.0				
PSY 101	3.0	PROD 345	3.0				
Free Elective	3.0	Free Elective	3.0				
Social Science Elective	3.0						
	17		**16**		**0**		**0**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits
PROD 425	3.0	PROD 470	4.0	MGMT 260	4.0
PROD 460	4.0	PROD 475	3.0	PROD 480	4.0
Art History Elective	3.0	Free Electives	6.0	Free Electives	6.0
Free Electives	6.0				
	16		**13**		**14**

Total Credits 191

[*]   COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

Co-op/Career Opportunities

Product designers have careers in a wide range of industries including consumer electronics, housewares, furniture, fashion accessories, medical devices, toys, automotive and transportation. The work of product designers improves the usefulness and appearance of countless products that contribute to the quality of our work and personal lives.

Visit the Drexel Steinbright Career Development Center (http://www.drexel.edu/scdc/) page for more detailed information on co-op and post-graduate opportunities.

Product Design Faculty

David Beker, MArch, MFA *(University of Pennsylvania, Parsons School of Design)*. Adjunct Faculty.

Noah Dingler, BFA *(College for Creative Studies)*. Adjunct Faculty. Product Design

Ann Dinh, MID *(Rhode Island School of Design)*. Adjunct Faculty.

Carl Durkow, BSID *(Drexel University)*. Adjunct Faculty. Product Design, Product Design

Bamidélé Elégbèdé, MFA *(California College of the Arts)*. Adjunct Faculty. Product Design

Nicole Feller-Johnson, MS *(Drexel University)*. Adjunct Faculty. Product Design, MS Design Research

Jemma Frost, BSID *(Drexel University)*. Adjunct Faculty. Product Design

Sam Gearhart, BS *(Drexel University)*. Adjunct Faculty.

Ann Gerondelis, AIA, IDSA *(Georgia Institute of Technology) Design Department Head*. Teaching Professor. Embodied perception and its relationship to the design of human experiences, from the scale of the built environment to objects that surround us.

Michael Glaser, MFA *(The Ohio State University)*. Associate Professor. Product Design

Jay Haon, MFA *(Rhode Island School of Design)*. Adjunct Instructor. Product Design

Henry Homza, BSID *(Kean University)*. Adjunct Faculty. Product Design

Pradyuman Kodavatiganti, BS *(Drexel University)*. Adjunct Faculty.

Ayana Paterson, BSID *(Syracuse University)*. Adjunct Faculty. Product Design

Eli Robbins, MArch *(University of Oregon)*. Adjunct Faculty.

Raja Schaar, MAAE,IDSA *(School of the Art Institute of Chicago) Product Design Program Director*. Associate Professor. Product Design

Alexandra Schmidt-Ullrich, MArch *(University of Pennsylvania)*. Associate Teaching Professor. Product Design

Erik Sundquist, MA *(Florida International University) Hybrid Making Lab Director*. Associate Teaching Professor. Product design

Cooper Wright, BA *(Maryland Institute College)*. Adjunct Faculty. Fabrication Shop Manager, Product Design

Screenwriting and Playwriting BS

Major: Screenwriting and Playwriting
Degree Awarded: Bachelor of Science (BS)
Calendar Type: Quarter
Minimum Required Credits: 184.0
Co-op Options: One Co-op (Four years)
Classification of Instructional Programs (CIP) code: 50.0504
Standard Occupational Classification (SOC) code: 27-3043

About the Program

Our students and faculty are storytellers at heart, connecting to the world around us through the tales we tell. The Screenwriting & Playwriting program immerses students in the discipline of writing for production: storytelling for filmed entertainment, the theater stage, and digital delivery. Whether you want to write blockbuster films, a two-hander for a black-box venue, or an episodic web series, the program will guide you with our experiential approach to instruction in small, collaborative classes. You'll graduate with the skills, experience, and confidence to pursue a career in a rewarding and competitive field.

Students acquire the essential skills of dramatic storytelling and professional best practices, then apply those abilities to the creation of scripts that tell their own uniquely compelling stories. The challenging curriculum offers multiple opportunities to see your work produced on both stage and screen and Drexel's pioneering co-op affords hands-on experience in the industry, working alongside professional artists. The Screenwriting & Playwriting program marks the beginning of the lifelong process of developing your writer's voice, a voice capable of narrating the story of our lives.

The Screenwriting and Playwriting program offers a minor in Screenwriting and a minor in Playwriting (p. 190).

Additional Information

For more information about this major, visit the College's Screenwriting and Playwriting (https://drexel.edu/westphal/academics/undergraduate/scrp/) page or contact the program director:

Matthew J. Kaufhold (http://drexel.edu/westphal/about/directory/KaufholdMatthew/)
Screenwriting and Playwriting Program
Department of Cinema & Television
Antoinette Westphal College of Media Arts & Design
215-895-2882
kaufhold@drexel.edu

Degree Requirements

General education requirements

CIVC 101	Introduction to Civic Engagement	1.0
COOP 101	Career Management and Professional Development	1.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
MATH 119	Mathematical Foundations for Design	4.0
UNIV A101	The Drexel Experience	2.0
Required Arts and Humanities (excluding ENGL courses) - students elect a minimum of 9.0 credits		9.0
Required Natural Science-students elect a minimum of 8.0 credits		8.0
Required Social Science-students elective a minimum of 9.0 credits		9.0
Electives		31.0
Visual Studies Requirements		
ARTH 102	History of Art II	3.0
VSST 107	Introduction to Design for Media	3.0
Screenwriting and Playwriting Requirements		
Literature requirements		
ENGL 315 [WI]	Shakespeare	3.0
Select one of the following:		3.0
ENGL 200 [WI]	Classical to Medieval Literature	
or ENGL 201	Renaissance to the Enlightenment	
or ENGL 202	Romanticism to Modernism	
Select one of the following:		3.0
ENGL 203 [WI]	Survey of World Literature	
or ENGL 204	Post-Colonial Literature	
Literature (ENGL) electives		6.0
Cinema studies/Theatre studies requirements		
ENGL 216 [WI]	Readings in Drama	3.0
THTR 121 [WI]	Dramatic Analysis	3.0
Theatre (THTR) choice elective (any advanced acting, directing or production course)		3.0
FMST 101	Film History I: Emergence	3.0
FMST 102	Film History II: New Waves	3.0
Cinema studies (FMST Film Studies or TVST Television Studies) elective		3.0
Methods requirements		
FMTV 110	Basic Cinematography	3.0
FMTV 115	Basic Editing	3.0
FMTV 120	Basic Sound	3.0
FMTV 240	Narrative Production	3.0
THTR 210	Acting: Fundamentals	3.0
THTR 211	Acting: Scene Study	2.0
THTR 240	Theatre Production I	3.0
THTR 320	Play Direction	3.0
or FMTV 270	Basic Directing	
Writing requirements		

SCRP 150	Entertainment Storytelling Fundamentals	3.0
SCRP 220	Playwriting I	3.0
SCRP 225	Playwriting II	3.0
SCRP 230	Page to Stage	3.0
SCRP 270 [WI]	Screenwriting I	3.0
SCRP 275 [WI]	Screenwriting II	3.0
SCRP 280 [WI]	Writing the Short Film	3.0
SCRP 310	Literature for Screenwriters	3.0
SCRP 370	Screenplay Story Development	3.0
SCRP 495	Senior Project in Dramatic Writing I	3.0
SCRP 496	Senior Project in Dramatic Writing II	3.0
SCRP 497	Senior Project in Dramatic Writing III	3.0
WRIT 225 [WI]	Creative Writing	3.0
Writing Choice: select one of the following courses:		3.0
COM 160 [WI]	Introduction to Journalism	
COM 181	Public Relations Principles and Theory	
WRIT 220 [WI]	Creative Nonfiction Writing	
Select one of the following two-course sequences:		6.0
SCRP 382 & SCRP 383	Playwriting Workshop I and Playwriting Workshop II	
SCRP 380 & SCRP 381	Screenwriting Workshop I and Screenwriting Workshop II	
Total Credits		**184.0**

CONCENTRATION OPTIONS

Concentration in Narrative Game Writing

GMAP 260	Overview of Computer Gaming	3.0
SCRP 290	Game: Universe & Story	3.0
SCRP 295	Future of Narrative Games	3.0
SCRP 377	Game Writing Workshop I	3.0
SCRP 378	Game Writing Workshop II	3.0

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plan of Study

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ENGL 101 or 111	3.0	ENGL 102 or 112	3.0	CIVC 101	1.0	VACATION	
FMTV 120	3.0	FMST 101	3.0	ENGL 103 or 113	3.0		
SCRP 220	3.0	FMTV 115	3.0	FMTV 110	3.0		
THTR 121	3.0	SCRP 270	3.0	MATH 119	4.0		
UNIV A101	1.0	UNIV A101	1.0	SCRP 150	3.0		
		Natural Science Elective	4.0	VSST 107	3.0		
	13		**17**		**17**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ENGL 203 or 204	3.0	COOP 101	1.0	ARTH 102	3.0	Film Studies/Television Studies Elective*	3.0
SCRP 225	3.0	ENGL 216	3.0	ENGL 200, 201, or 202	3.0	Free Elective	6.0

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
Literature (ENGL) Elective	3.0	FMST 102	3.0	SCRP 280	3.0	Arts & Humanities Elective	3.0
Free Elective	6.0	SCRP 230	3.0	SCRP 370	3.0		
		SCRP 275	3.0	THTR 211	2.0		
		THTR 210	3.0	Natural Science Elective	4.0		
	15		**16**		**18**		**12**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP EXPERIENCE		COOP EXPERIENCE		ENGL 315	3.0	SCRP 381 or 383	3.0
				THTR 240	3.0	Writing Choice	3.0
				THTR 320 or FMTV 270	3.0	Arts and Humanities Elective (excluding ENGL courses)	3.0
				SCRP 380 or 382	3.0	Literature (ENGL) Elective	3.0
				Arts and Humanities Elective (excluding ENGL courses)	3.0	Social Science Elective	3.0
	0		**0**		**15**		**15**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits
SCRP 495	3.0	FMTV 240	3.0	SCRP 497	3.0
WRIT 225	3.0	SCRP 310	3.0	Free Electives	13.0
Free Elective	3.0	SCRP 496	3.0		
Social Science Elective	3.0	Free Elective	3.0		
Theater Elective	3.0	Social Science Elective	3.0		
	15		**15**		**16**

Total Credits 184

Writing Narrative Games Concentration

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ENGL 101 or 111	3.0	ENGL 102 or 112	3.0	CIVC 101	1.0	VACATION	
FMTV 120	3.0	FMST 101	3.0	ENGL 103 or 113	3.0		
SCRP 220	3.0	FMTV 115	3.0	FMTV 110	3.0		
THTR 121	3.0	SCRP 270	3.0	MATH 119	4.0		
UNIV A101	1.0	UNIV A101	1.0	SCRP 150	3.0		
		Natural Science Elective	4.0	VSST 107	3.0		
	13		**17**		**17**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ENGL 203 or 204	3.0	COOP 101	1.0	ARTH 102	3.0	FMST or TVST Elective	3.0
FMST 102	3.0	ENGL 216	3.0	ENGL 200, 201, or 202	3.0	Free Elective	6.0
GMAP 260	3.0	SCRP 275	3.0	SCRP 295	3.0	Arts & Humanities Elective	3.0
SCRP 225	3.0	SCRP 290	3.0	SCRP 370	3.0		
Literature (ENGL) Elective	3.0	THTR 210	3.0	THTR 211	2.0		
		SCRP 230	3.0	Natural Science Elective	4.0		
	15		**16**		**18**		**12**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP EXPERIENCE		COOP EXPERIENCE		ENGL 315	3.0	SCRP 378	3.0
				SCRP 377	3.0	SCRP 280	3.0
				THTR 240	3.0	Arts and Humanities Elective (excluding ENGL courses)	3.0
				THTR 320 or FMTV 270	3.0	Social Science Elective	3.0
				Arts and Humanities Elective (excluding ENGL courses)	3.0	Literature (ENGL) Elective	3.0
						Writing Choice	3.0
	0		**0**		**15**		**18**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits
SCRP 495	3.0	SCRP 496	3.0	SCRP 497	3.0
WRIT 225	3.0	Social Science Elective	3.0	Free Electives	13.0
Arts and Humanities Elective	3.0	FMTV 240	3.0		
Theater Elective	3.0	SCRP 310	3.0		
Social Science Elective	3.0				
	15		**12**		**16**

Total Credits 184

*   Please see degree requirements

Co-op/Career Opportunities

Dramatic writing is writing for production—work intended for performance on the stage or screen. These days, "screen" can mean movie, TV, or computer, and the work can be anything from full stage plays to 15-second commercials to video game scripts. As the entertainment industry changes, so do the outlets for our students and graduates.

Co-op Experiences

By working for film and television production companies, theater organizations, entertainment management companies, magazines, advertising and public relations firms, and other professional writers, Screenwriting and Playwriting students gain valuable insights into how the entertainment industry works. In an industry where the process of building a career often begins with a few key contacts, the co-op program gives Drexel students the chance to begin shaping their own professional networks.

Screenwriting and Playwriting students secured co-op or post-graduation positions with:

- IM Global
- Disney Video Animation
- Marvel Comics
- Lionsgate Films
- Skyless Games
- Arden Theater Company
- Campbell's Soup
- Marvel Studios
- SyFy Network
- Nickelodeon
- Dynamite Entertainment
- Prominent Hollywood talent managers
- The Playwright's Center
- Valiant Entertainment
- Sciencefiction.com
- Major League Baseball Productions
- Panels.net
- Voice of America
- Fantagraphics
- The production office of "Star Trek: Enterprise"

Visit the Drexel Steinbright Career Development Center (http://www.drexel.edu/scdc/) page for more detailed information on co-op and post-graduate opportunities.

Screenwriting and Playwriting Faculty

Bruce Graham, BA *(Indiana University of Pennsylvania)*. Associate Teaching Professor. Playwright.

David Greenberg, BA *(Temple University)*. Adjunct Assistant Professor. Screenwriter, Producer, Director.

Matthew Kaufhold, MA *(University of North Carolina) Program Director, Screenwriting and Playwriting*. Teaching Professor. Screenwriter, Producer.

Thomas Quinn, MFA *(Temple University)*. Associate Professor. Feature film writer and director.

Jeffrey Stanley, MFA *(NYU Tisch School)*. Visiting Assistant Professor. Screenwriter, Playwright.

Andrew Susskind, AB *(Harvard University)*. Associate Teaching Professor. Producing, Directing, Writing, Editing.

Emeritus Faculty

Ian Abrams, BA *(Duke University)*. Professor Emeritus. Screenwriting.

User Experience and Interaction Design BS

Major: User Experience and Interaction Design
Degree Awarded: Bachelor of Science (BS)
Calendar Type: Quarter
Minimum Required Credits: 188.0
Co-op Options: One Co-op (Four years); Three Co-op (Five years)
Classification of Instructional Programs (CIP) code: 11.0801
Standard Occupational Classification (SOC) code: 15-1250

NOTE: The four year option is not accepting applications; however, students can still choose to pursue the five year option.

About the Program

Technology and your future career prospects are evolving at lightning speeds. Where it was once as simple as pursuing "website design" or "programming," today's world offers—and demands—more. To truly succeed in tech, you need creativity, versatility, and an interdisciplinary skillset. You need to be able to see through the eyes of the user and understand projects from start to finish. You need to be a unicorn.

User Experience & Interaction Design (UXID) helps you get there.

By combining principles from a range of disciplines, UXID gives you the tools not only to understand technology but also the human principles underpinning it. You'll get exposure to:

- **User Experience Design (UX)** — Researching and advocating the needs of people who will be using technologies, prototyping digital products, and working with agile methodologies
- **User Interface Design (UI)** — Using tools, like the Adobe Creative Suite, to create visual experiences for technology products
- **Interaction Design (IxD)** —The design of behaviors, animations, and sounds for digital products
- **Development** — Programming the code (HTML/CSS, JavaScript, PHP/MySQL, etc.) that makes products work in a variety of media (websites, apps, augmented and virtual reality, Internet of Things, etc.)
- **Information Architecture (IA)** — Organizing and planning information systems for digital products
- **Content Strategy** — The planning, creation, delivery, and governance of content, including text and imagery
- **Project Management** — Managing work flows to keep teams on track

As a freshman, you learn the basics of user interface and interaction design. In sophomore year, you learn the coding and development skills to bring those designs to life. In the pre-junior year you will learn the fundamentals of user experience design and usability testing. Your junior and senior studies are focused on electives and interdisciplinary teamwork. In our 5-year sequence you will also have the opportunity for 3 six-month full-time work experiences within a company through Drexel's Cooperative Education program, and your capstone project will result in a full-scale, industry-level product launch.

By the end of this program, you'll have real-world experience, an enviable portfolio, and the highly adaptable skills to find your way in the uncertain, ever-evolving world of tech.

Additional Information

For more information about this program, please contact Troy Finamore twf23@drexel.edu.

Degree Requirements

General Education Requirements

CIVC 101	Introduction to Civic Engagement	1.0
COM 230	Techniques of Speaking	3.0
COOP 101	Career Management and Professional Development [*]	1.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0

or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
MATH 119	Mathematical Foundations for Design	4.0
PHYS 170	Electricity and Motion	3.0
PHYS 171	Computational Lab for Electricity and Motion	1.0
PHYS 175	Light and Sound	3.0
PHYS 176	Computational Lab for Light and Sound	1.0
PSY 330	Cognitive Psychology	3.0
UNIV A101	The Drexel Experience	2.0
Arts and Humanities elective **		3.0
History (HIST) elective (100-499)		4.0
Literature (ENGL) elective (100-499)		3.0
Social Science electives ***		6.0
Free electives		23.0
Art and Art History Requirements		
ARTH 103	History of Art III	3.0
ARTH 300 [WI]	History of Modern Design	3.0
ARTH 314	Contemporary Art	3.0
VSST 108	Design I for Media	3.0
VSST 109	Design II for Media	0.0-3.0
VSST 110	Introductory Drawing	3.0
Business & Management Requirements		
EAM 211	Strategic Management for Entertainment and Arts Management	3.0
Media Requirements		
FMTV 206	Audio Production and Post	3.0
INFO 110	Introduction to Human-Computer Interaction	3.0
PHTO 110	Photography	3.0
PROD 215	Design Thinking in Product Design	4.0
WEST 107	Maker Workshop	3.0
Digital Media Core Requirements		
ANIM 115	Introduction to Production with Animation & VFX	3.0
DIGM 105	Overview of Digital Media	3.0
DIGM 475 [WI]	Seminar: The Future of Digital Media	3.0
DIGM 490	Digital Media Senior Project †	9.0
DIGM 491	Digital Media Senior Project Studio †	3.0
GMAP 260	Overview of Computer Gaming	3.0
Interactive Digital Media Requriements		
IDM 211	User Interface Design I	3.0
IDM 212	User Interface Design II	3.0
IDM 213	Interaction Design	3.0
IDM 214	Human Factors Engineering	3.0
IDM 215	User Experience Design I	3.0
IDM 216	User Experience Design II	3.0
IDM 221	Web Design I	3.0
IDM 222	Web Design II	3.0
IDM 231	Scripting for Interactive Digital Media I	3.0
IDM 232	Scripting for Interactive Digital Media II	3.0
IDM 241	Microinteractions	3.0
IDM 250	Content Management Systems	3.0
IDM 371	Interactive Digital Media Workshop I	3.0
IDM 372	Interactive Digital Media Workshop II	3.0
IDM 401	Professional Practices in Interactive Digital Media	3.0
IDM 418	Storytelling for User Experience Design	3.0
Select three (3) of the following:		**9.0**
DIGM 308 [WI]	Digital Cultural Heritage	
DIGM 451 [WI]	Explorations in New Media	
EAM 315	Content Strategies for Digital Products	
IDM 101	History of Web Development	
IDM 240	Interactive Graphics	
IDM 245	Web Game Design	
IDM 311	User Interface Design for Immersive Media	

IDM 331	WebVR	
IDM 361	Interactive App Design I	
IDM 362	Interactive App Design II	
IDM 363	Interactive App Design III	
IDM 364	Interactive App Design IV	
IDM 381	Experimental Interactive Technologies	
IDM 382	Internet of Things	
IDM 402	Validating Product Ideas	
IDM 417	User Research Methodologies	
IDM I399	Independent Study in Interactive Digital Media	
IDM T380	Special Topics in Interactive Digital Media	
Total Credits		**185.0-188.0**

* Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

** Select from 100-499 level courses, including T380-T480 in AFAS, ARCH, ARTH, COM, DANC, ENGL, FMST, GST, HIST, INTR, IST, JWST, LANG, LING, MENA, MUSC, PHIL, PHTO, PPE, PBHL, RELS, SCRP, THTR, TVST, VSCM, WGST, WRIT.

*** Select from 100-499 level courses, including T380-T480, in AFAS, ANTH, CJS, CS, ECON, ENSS, ENVS, PSCI, PSY, PBHL, SOC, WGST.

† DIGM 490 and DIGM 491 are repeated three times each.

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plan of Study

NOTE: The four year option is not accepting applications; however, students can still choose to pursue the five year option.

4 year, 1 co-op

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ENGL 101 or 111	3.0	ENGL 102 or 112	3.0	CIVC 101	1.0	VACATION	
IDM 211	3.0	IDM 212	3.0	DIGM 105	3.0		
INFO 110	3.0	PHTO 110	3.0	ENGL 103 or 113	3.0		
PROD 215	4.0	UNIV A101	1.0	IDM 213	3.0		
UNIV A101	1.0	WEST 107	3.0	MATH 119	4.0		
VSST 108	3.0	VSST 109	3.0	VSST 110	3.0		
	17		**16**		**17**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
EAM 211	3.0	ANIM 115	3.0	IDM 215	3.0	ARTH 103	3.0
FMTV 206	3.0	IDM 214	3.0	IDM 232	3.0	COM 230	3.0
GMAP 260	3.0	IDM 222	3.0	IDM 241	3.0	COOP 101*	1.0
IDM 221	3.0	IDM 231	3.0	IDM 418	3.0	IDM 216	3.0
PHYS 170	3.0	PHYS 175	3.0	Elective	3.0	IDM 250	3.0
PHYS 171	1.0	PHYS 176	1.0			IDM Elective	3.0
	16		**16**		**15**		**16**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARTH 300	3.0	ARTH 314	3.0	COOP EXPERIENCE		COOP EXPERIENCE	

	Credits		Credits		Credits
DIGM 475	3.0	IDM 372	3.0		
IDM 371	3.0	Arts & Humanities Elective	3.0		
PSY 330	3.0	IDM Elective	3.0		
IDM Elective	3.0	Social Science Elective	3.0		
	15		**15**	**0**	**0**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits
DIGM 490	3.0	DIGM 490	3.0	DIGM 490	3.0
DIGM 491	1.0	DIGM 491	1.0	DIGM 491	1.0
IDM 401	3.0	Free Electives	8.0	Free Electives	9.0
Free Elective	3.0	History (HIST) Elective	4.0		
Literature (ENGL) Elective	3.0				
Social Science Elective	3.0				
	16		**16**		**13**

Total Credits 188

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.
    COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

5 year, 3 co-op

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ENGL 101 or 111	3.0	ENGL 102 or 112	3.0	CIVC 101	1.0	VACATION	
IDM 211	3.0	IDM 212	3.0	COOP 101*	1.0		
INFO 110	3.0	PHTO 110	3.0	DIGM 105	3.0		
PROD 215	4.0	UNIV A101	1.0	ENGL 103 or 113	3.0		
UNIV A101	1.0	WEST 107	3.0	IDM 213	3.0		
VSST 108	3.0	VSST 109	3.0	MATH 119	4.0		
				VSST 110	3.0		
	17		**16**		**18**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
EAM 211	3.0	ANIM 115	3.0	COOP EXPERIENCE		COOP EXPERIENCE	
FMTV 206	3.0	IDM 214	3.0				
GMAP 260	3.0	IDM 222	3.0				
IDM 221	3.0	IDM 231	3.0				
PHYS 170	3.0	PHYS 175	3.0				
PHYS 171	1.0	PHYS 176	1.0				
	16		**16**		**0**		**0**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
IDM 215	3.0	ARTH 103	3.0	COOP EXPERIENCE		COOP EXPERIENCE	
IDM 232	3.0	COM 230	3.0				
IDM 241	3.0	IDM 216	3.0				
IDM 418	3.0	IDM 250	3.0				
Elective	3.0	IDM Elective	3.0				
	15		**15**		**0**		**0**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARTH 300	3.0	ARTH 314	3.0	COOP EXPERIENCE		COOP EXPERIENCE	
DIGM 475	3.0	IDM 372	3.0				
IDM 371	3.0	Arts & Humanities Elective	3.0				
PSY 330	3.0	IDM Elective	3.0				
IDM Elective	3.0	Social ScienceElective	3.0				
	15		**15**		**0**		**0**

Fifth Year

Fall	Credits	Winter	Credits	Spring	Credits
DIGM 490	3.0	DIGM 490	3.0	DIGM 490	3.0
DIGM 491	1.0	DIGM 491	1.0	DIGM 491	1.0
IDM 401	3.0	Free Electives	8.0	Free Electives	9.0
Free Elective	3.0	History (HIST) Elective	4.0		
Literature (ENGL) Elective	3.0				
Social Science Elective	3.0				
	16		**16**		**13**

Total Credits 188

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

Co-op/Career Opportunities

Students who study User Experience and Interaction Design can move on to careers as web designers, graphic designers, digital media designers, user research and experience specialists, multimedia artists, interactive designers, web programmers, and web user interface designers.

Co-op Experiences

Some past co-op employers of User Experience and Interaction Design students include:

- Academy of Natural Sciences
- Acensus
- COMCAST
- Craft
- EPAM
- Neuroflow
- Night Kitchen Interactive
- Oracle
- Perpay
- Scoir
- SEPTA
- UNISYS
- Urban Outfitters
- Vanguard Group

Visit the Drexel Steinbright Career Development Center (http://drexel.edu/scdc/) webpage for more detailed information on co-op and post-graduate opportunities.

Facilities

Digital Media department facilities include a motion capture and green screen studio, a screening room, DSLR digital still cameras, HD video cameras and lighting equipment, triple boot PowerMac stations (Mac / Windows / Unix) with dual monitors, wacom tablets, game consoles, mobile devices, and two undergraduate open labs with 24/7 access.

Additionally, the program houses the RePlay Lab (http://replay.drexel.edu/facilities.html) in the URBN Center which is a collaborative effort between the Digital Media department and the Computer Science department (in the College of Computing & Informatics). At Drexel University, game development does not "live" in solely one department, and so mirrors the true nature of game development in commercial settings.

User Experience and Interaction Design Faculty

Antonia Brown, MS *(Thomas Jefferson University)*. Adjunct Instructor. User interface design and user experience design.

Darielle Brown-Davis, BS *(Drexel University)*. Adjunct Instructor. Website/application programming

Chester Cunan, BS/MS *(Drexel University)*. Adjunct Instructor.

Darien Davis, BS *(Drexel University)*. Adjunct Professor. User Experience Design

Troy Finamore, MS *(Drexel University) Program Director, User Experience & Interaction Design*. Teaching Professor. User interface design, interaction design, user experience design, and user research.

Kevin Gross, MS *(Drexel University)*. Adjunct Instructor.

Remi Gurak, MS *(Philadelphia University)*. Adjunct Instructor.

Chelsea Jones, BS *(Westchester University)*. Adjunct Professor. User Experience Design

Glen Muschio, PhD *(Temple University)*. Associate Professor. Digital media, society, communication

Mark Petrovich, MS *(Drexel University)*. Adjunct Instructor.

Paul Phan, BS *(Drexel University)*. Adjunct Professor. Website/application programming.

Emil Polyak, MDCArtDes *(University of New South Wales)*. Assistant Professor. Cross-disciplinary art and design

Kathryn Rieger, University of Southern California *(PhD)*. Adjunct Professor. Human Factors Engineering

Khrystyna Oros Ryan, BS *(Temple University)*. Adjunct Professor. UI/UX Design.

Caroline Scheinfeld, BS *(Drexel University)*. Adjunct Instructor.

Philip Sinatra, BS *(Drexel University)*. Professor. Website/application programming.

Jervis Thompson, BS *(Drexel University)*. Teaching Professor. Digital media, interactive multimedia

Michael Wagner, PhD *(Vienna University of Technology) Program Director, Digital Media*. Associate Professor. Educational use of digital media and computer games.

Emeritus Faculty

Theo Artz, BFA *(Tyler School of Art, Temple University)*. Associate Professor. Digital media.

Undeclared Design & Media

About the Program

The Antoinette Westphal College of Media Arts & Design offers an Undeclared Design & Media option that allows incoming high school students to explore the wide range of academic programs in our college. The program is designed as a point of entry for prospective students who know they want to study creative disciplines at Westphal but aren't sure which of our sixteen undergraduate co-op programs is right for them. It gives students the ability to enroll in their freshman year of college and take a one-year sequence of courses, comprehensive career counseling, and academic advising that will help them discover their major without losing valuable time and money. No later than the end of spring term in the first academic year, students are required to select an appropriate major which will lead to a bachelor's degree.

Major placement is subject to meeting the program's requirements and space availability in the desired program. Students in this program may not track into the Music Industry or 2+4 Architecture programs. This program is not available to transfer students.

For more information about this program, please visit the Westphal Undeclared (https://drexel.edu/westphal/academics/undergraduate/undeclared/) web page.

Admission Requirements

The College Recruitment Office will review applications for the Undeclared option. Admissions requirements will be average Westphal requirements (GPA – 3.0 /SAT- 1100). Portfolio is optional

Degree Requirements

General Education Requirements

CIVC 101	Introduction to Civic Engagement	1.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0

or ENGL 113	English Composition III	
UNIV A101	The Drexel Experience	2.0
Required Mathematics and Natural Sciences		12.0
Required Arts and Humanities		9.0
Required Social Sciences		9.0
Electives		37.0
Art and Art History Requirements		
Select two of the following:		6.0
ARTH 101	History of Art I	
ARTH 102	History of Art II	
ARTH 103	History of Art III	
VSST 101	Design I	4.0
VSST 110	Introductory Drawing	3.0
College Requirements		
WEST 105	Deciding Design & Media	3.0
Major Requirements		85.0
Total Credits		**180.0**

Sample Plan of Study

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ENGL 101 or 111	3.0	ENGL 102 or 112	3.0	CIVC 101	1.0	VACATION	
UNIV A101	1.0	UNIV A101	0.5	ENGL 103 or 113	3.0		
VSST 101	4.0	Major Requirement	12.0	UNIV A101	0.5		
WEST 105	3.0			VSST 110	3.0		
Major Requirement	6.0			Major Requirement	6.0		
				Mathematics Requirement	3.0		
	17		**15.5**		**16.5**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
Major Requirement	6.0	Art History Requirement	3.0	Major Requirement	9.0	VACATION	
Mathematics Requirement	3.0	Major Requirement	6.0	Natural Science Requirement	3.0		
Arts and Humanities Elective	3.0	Natural Science Requirement	3.0	Elective	3.0		
Art History Requirement	3.0	Elective	4.0				
	15		**16**		**15**		**0**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
Arts amd Humanities Elective	3.0	Major Requirements	6.0	Arts and Humanities Elective	3.0	VACATION	
Social Science Elective	3.0	Social Science Requirement	3.0	Major Requirements	9.0		
Electives	9.0	Electives	6.0	Social Science Elective	3.0		
	15		**15**		**15**		**0**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits
Major Requirement	9.0	Major Requirement	10.0	Major Requirement	6.0
Elective	6.0	Elective	3.0	Elective	6.0
	15		**13**		**12**

Total Credits 180

Westphal Studies Program BS

Major: Westphal Studies
Degree Awarded: Bachelor of Science (BS)
Calendar Type: Quarter
Minimum Required Credits: 180.0
Classification of Instructional Programs (CIP) code: 50.0101
Standard Occupational Classification (SOC) code: 27-1019

About the Program

The Westphal Studies program provides an individualized course of study initiated by a student. The student must have completed two terms of their junior year in an Antoinette Westphal College of Media Arts and Design major to be eligible for admission into this major.

A small number of students in the Antoinette Westphal College of Media Arts and Design decide that their goals lie at the periphery of the major or the intersection between several majors, and would be served by more latitude than offered in the highly specified courses in their major. For these students, the Westphal Studies program major broadens future career goals and allows exploration combined with a focused exposure to a second field. It acknowledges the specialization that is characteristic of the majors in the college and the expectations of the professional fields for which our students are being prepared. Simultaneously, it recognizes the breadth and rapidly changing nature of many disciplines and permits a student who has acquired a basic working knowledge of a specific aspect of media arts and design to investigate a clearly defined alternative.

Admission to the program is limited to currently matriculated College of Media Arts and Design students who have completed the major-intensive sophomore year and experienced a co-op placement or completed their junior-year courses. The following items are required as part of the application:

- A student-generated, individualized plan of study, developed with and signed by a member of the Westphal Studies Program Advisors Committee
- A statement in writing of the student's goals in applying to the major and the rationale of how the proposed plan of study addresses those goals
- A definition of appropriate co-operative education placement if the student has not completed a six-month employment in the field of their major
- A letter from the student's current program director

Approval by the Westphal Studies Program Advisors Committee is required for admission to the major; it is not automatic upon request. The committee must be convinced by the validity of the applicant's reasons for applying, the proposed study plan and accompanying documentation. Details about the application procedure may be obtained from the director of Westphal Studies Program.

Recommended Plan of Study

This program requires an individualized plan of study. Students sign off on this agreed-upon plan with the director of the Westphal Studies program. A student must have completed two terms of junior year in a College of Media Arts and Design major to be eligible for admission into this major.

The student, in consultation with their advisor and the director of the program, devises a personalized interdisciplinary study plan. The approved plan of study provides a rationale for the concentration and how the elective credits are to be used. This plan of study must be completed and approved before admission into the major.

Degree Requirements

General Education Requirements

COOP 101	Career Management and Professional Development [*]	1.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
UNIV A101	The Drexel Experience	2.0
Required Arts and Humanities-students elect a minimum of 9.0 credits [**]		9.0
Required Mathematics and Natural Science-students elect a minimum of 12.0 credits [***]		12.0
Required Social Science-students elect a minimum of 9.0 credits [†]		9.0
Total Credits		**42.0**

*	Not required if prior major did not require co-operative experience, including Architecture Part-time Evening program students.
**	Select from 100-499 level courses, including T380-T480 in AFAS, ARCH, ARTH, COM, DANC, ENGL, FMST, GST, HIST, INTR, IST, JWST, LANG, LING, MENA, MUSC, PHIL, PHTO, PPE, PBHL, RELS, SCRP, THTR, TVST, VSCM, WGST, WRIT.
***	At least one course in Mathematics (MATH 101, MATH 119, MATH 121) and one course in Natural Science (100-499 level courses in ANAT, BIO, CHEM, ENVS, GEO, PHEV, PHYS) are required.
†	Select from 100-499 level courses, including T380-T480, in AFAS, ANTH, CJS, CS, ECON, ENSS, ENVS, PSCI, PSY, PBHL, SOC, WGST.

Other Requirements

Requirements	Hours
Unrestricted electives	max of 75.0
Professional requirements*	min of 51.0
Concentration or minor**	min of 24.0

*   All professional and visual studies courses required in prior major through winter term of junior year must be successfully completed.
**   Up to 9.0 credits of general education and professional requirements may be included in this minimum.

Animation and Visual Effects BS / Digital Media MS

Major: Animation & Visual Effects and Digital Media
Degree Awarded: Bachelor of Science (BS) and Master of Science (MS)
Calendar Type: Quarter
Minimum Required Credits: 232.0
Co-op Options: Three Co-op (Five years); One Co-op (Five years)
BS Classification of Instructional Programs (CIP) code: 10.0304
BS Standard Occupational Classification (SOC) code: 27-1014
MS Classification of Instructional Programs (CIP) code: 11.0801
MS Standard Occupational Classification (SOC) code: 15-1134

About the Program

The program is a natural extension of our undergraduate program in Animation and Visual Effects and challenges students to push beyond what's known and into what's possible. It combines research with applicable skills in 21st century media applications and offers a mix of academic coursework and project-related activities in advanced digital design, including 3-D modeling, animation, interactivity, gaming and digital media history, theory, and methods.

Additional Information

To find out more about this major, visit the Westphal College's Animation & Visual Effects Major (http://www.drexel.edu/westphal/academics/undergraduate/ANIM/) webpage.

Admission Requirements

Students who wish to enter the accelerated program are required to have a minimum GPA of 3.5 and between 70.0 and 120.0 credits of completed undergraduate coursework.

Acceptance into the accelerated program is decided by the program director of the Digital Media MS program in consultation with the undergraduate program director in Animation and Visual Effects as well as the Department's Graduate Admissions Committee.

Main criteria for acceptance is an evaluation of the student's prior academic performance and the student's likelihood of success within the program.

Degree Requirements

Undergraduate General Education Requirements		
CIVC 101	Introduction to Civic Engagement	1.0
COM 230	Techniques of Speaking	3.0
COOP 101	Career Management and Professional Development [*]	1.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
MATH 101	Introduction to Analysis I	4.0
PHYS 170	Electricity and Motion	3.0
PHYS 171	Computational Lab for Electricity and Motion	1.0
PHYS 175	Light and Sound	3.0
PHYS 176	Computational Lab for Light and Sound	1.0
UNIV A101	The Drexel Experience	2.0
Required Arts and Humanities-students elect a minimum of 9.0 credits [**]		9.0
Required Social Science-students elect a minimum of 9.0 credits [***]		9.0
Free electives		24.0
Art and Art History Requirements		
Required ARTH electives (choose a minimum of 6 credits from ARTH 100-499, except 300)		6.0
ARTH 300 [WI]	History of Modern Design	3.0
VSST 108	Design I for Media	3.0
VSST 109	Design II for Media	3.0
VSST 110	Introductory Drawing	3.0
VSST 111	Figure Drawing I	3.0
Media and Computer Science Requirements		
ANIM 231	Scripting for Animation and Visual Effects	3.0

CS 171	Computer Programming I	3.0
FMTV 100	Visual Storytelling	3.0
FMTV 206	Audio Production and Post	3.0
SCRP 270 [WI]	Screenwriting I	3.0
Digital Media Core Requirements		
ANIM 140	Computer Graphics Imagery I	3.0
ANIM 141	Computer Graphics Imagery II	3.0
ANIM 211	Animation I	3.0
DIGM 105	Overview of Digital Media	3.0
DIGM 451 [WI]	Explorations in New Media	3.0
DIGM 475 [WI]	Seminar: The Future of Digital Media	3.0
DIGM 490	Digital Media Senior Project [†]	9.0
DIGM 491	Digital Media Senior Project Studio [†]	3.0
GMAP 260	Overview of Computer Gaming	3.0
IDM 100	Introduction to Web Development	3.0
Animation Requirements		
ANIM 110	Digital Imaging for Animation & VFX	3.0
ANIM 146	Basic Portfolio	1.0
ANIM 155	Previsualization for Animated Production	3.0
ANIM 212	Animation II	3.0
ANIM 213	Rigging I	3.0
ANIM 215	History of Animation	3.0
ANIM 220	Digital Compositing I	3.0
ANIM 221	Digital Compositing II	3.0
ANIM 246	Advanced Portfolio ((Take 2 times))	2.0
ANIM 250	Professional Practices for Animation & VFX	3.0
ANIM 377	Animation Workshop I	3.0
ANIM 378	Animation Workshop II	3.0
Animation & Visual Effects Concentration (See Below)		12.0
Required Graduate Courses		
Digital Media Core		
DIGM 501	New Media: History, Theory and Methods	3.0
DIGM 510	Designing for Interactivity	3.0
DIGM 511	Research Methods for Digital Media	3.0
Digital Media Specialization		**18.0**
Select 18.0 credits from the following list:		
Game Design and Development		
DIGM 530	Game Design I	
DIGM 531	Game Design II	
GMAP 545	Game Development Foundations	
GMAP 547	Serious Games	
GMAP 548	Experimental Games	
GMAP 560	Game Design from the Player's Perspective	
Animation and Immersive Media		
ANIM 588	Spatial Data Capture	
DIGM 525	Animation I	
DIGM 526	Animation II	
DIGM 547	Organic Modeling	
DIGM 560	Advanced Concepts and Applications in Interactive 3D Environments	
DIGM 616	Immersive World Building	
UX Design and Digital Cultural Heritage		
DIGM 508	Digital Cultural Heritage	
DIGM 520	Interactivity I	
DIGM 521	Interactivity II	
General Digital Media		
DIGM 591	Digital Media Skills Intensive	
DIGM I599	Independent Study in Digital Media	
DIGM I699	Independent Study in Digital Media	
DIGM T580	Special Topics in Digital Media	
DIGM T680	Special Topics in Digital Media	
New Media Project		
DIGM 540	New Media Project [††]	6.0

Thesis		
DIGM 680	Thesis Development	3.0
Directed Studies ‡		**9.0**
Total Credits		**232.0**

Animation & Visual Effects Concentrations

Students must choose and complete one of the following concentrations for a total of 12.0 credits.

Character Animation Concentration		
ANIM 314	Character Animation I	3.0
ANIM 315	Character Animation II	3.0
Animation Electives (Choose 2)		6.0
Total Credits		**12.0**

Organic Modeling Concentration		
ANIM 247	Organic Modeling I	3.0
ANIM 347	Organic Modeling II	3.0
Animation Electives (Choose 2)		6.0
Total Credits		**12.0**

Generalist Concentration		
Animation Electives (Choose 4 or more equaling at least 12 credits)		12.0
Animation Electives		
ANIM 145	Realtime Visualization	
ANIM 225	Digital Matte Painting	
ANIM 240	Lighting & Surfacing	
ANIM 248	Advanced Lighting	
ANIM 301	Procedural Animation	
ANIM 410	Advanced Compositing	
ANIM 411	Advanced Animation	
ANIM 412	Advanced Visual Effects	
ANIM 435	Technical Directing for Animation	
ANIM T180	Special Topics in Animation	
ANIM T280	Special Topics in Animation	
ANIM T380	Special Topics in Animation	
ANIM T480	Special Topics in Animation	
DIGM 308 [WI]	Digital Cultural Heritage	
DIGM 350 [WI]	Digital Storytelling	
DIGM 355	Overview of Immersive Media	
GMAP 345	Game Development Foundations	
GMAP 367	Character Animation for Gaming	
VRIM 388	Motion Capture I	
VRIM 488	Motion Capture II	

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

        COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

**   Select from 100-499 level courses, including T380-T480 in AFAS, ARCH, ARTH, COM, DANC, ENGL, FMST, GST, HIST, INTR, IST, JWST, LANG, LING, MENA, MUSC, PHIL, PHTO, PPE, PBHL, RELS, SCRP, THTR, TVST, VSCM, WGST, WRIT.

***   Select from 100-499 level courses, including T380-T480, in AFAS, ANTH, CJS, CS, ECON, ENSS, ENVS, PSCI, PSY, PBHL, SOC, WGST.

†   DIGM 490 and DIGM 491 are repeated three times each to complete the DIGM Capstone Senior Project sequence.

††   DIGM 540 is repeated two times.

‡   Select 9.0 credits from 500-600 level courses, including Special Topics (T580 and T680) in ANIM, CS, DIGM, DSRE, GMAP, IDM, and INFO.

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore

year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plan of Study

4+1, 1 co-op (Spring/Summer) (Accelerated program completed in 5 years)

Students complete undergraduate requirements in four years, then convert to graduate status in the fifth and final year.

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ANIM 110	3.0	ANIM 141	3.0	ANIM 211	3.0	VACATION	
ANIM 140	3.0	ANIM 215	3.0	CIVC 101	1.0		
ENGL 101 or 111	3.0	ENGL 102 or 112	3.0	DIGM 105	3.0		
PHYS 170	3.0	PHYS 175	3.0	ENGL 103 or 113	3.0		
PHYS 171	1.0	PHYS 176	1.0	MATH 101	4.0		
UNIV A101 (Department Specific)	1.0	UNIV A101 (Program Specific)	1.0	VSST 109	3.0		
VSST 110	3.0	VSST 108	3.0				
	17		**17**		**17**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ANIM 146	1.0	ANIM 155	3.0	ANIM 221	3.0	ANIM 231	3.0
ANIM 212	3.0	ANIM 213	3.0	CS 171	3.0	ANIM 250	3.0
ANIM 220	3.0	IDM 100	3.0	Concentration Choice		COM 230	3.0
FMTV 100	3.0	VSST 111	3.0	ANIM 247 (Organic Modeling Concentration)		COOP 101[*]	1.0
GMAP 260	3.0	(UG) Free Elective	3.0	ANIM 314 (Character Animation Concentration)		FMTV 206	3.0
SCRP 270	3.0			Generalist Concentration Elective		(UG) Free Elective	3.0
				(UG) Free Elective	3.0		
				(UG) Art History Elective	3.0		
	16		**15**		**15**		**16**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ANIM 246	1.0	ANIM 378	3.0	COOP EXPERIENCE		COOP EXPERIENCE	
ANIM 377	3.0	DIGM 451	3.0				
ARTH 300	3.0	(UG) Animation Concentration Elective	3.0				
Concentration Choice		(UG) Art History Elective	3.0				
ANIM 347 (Organic Modeling Concentration)		(UG) Free Elective	3.0				
ANIM 315 (Character Animation Concentration)		DIGM 510	3.0				
Generalist Concentration Elective							
(UG) Social Science Elective	3.0						
(UG) Free Elective	3.0						

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
DIGM 501	3.0						
	19		18		0		0

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
DIGM 490	3.0	ANIM 246	1.0	DIGM 475	3.0	STUDENT CONVERTS TO GRADUATE STATUS	
DIGM 491	1.0	DIGM 490	3.0	DIGM 490	3.0		
(UG) Animation Concentration Elective	3.0	DIGM 491	1.0	DIGM 491	1.0		
(UG) Arts and Humanities Elective	3.0	(UG) Arts and Humanities Elective	3.0	(UG) Arts and Humanities Elective	3.0		
(UG) Social Science Elective	3.0	(UG) Social Science Elective	3.0	(UG) Free Elective	3.0		
(UG) Free Elective	3.0	(UG) Free Electives	3.0	DIGM 511	3.0		
(GR) Digital Media Specialization	3.0	DIGM 540	3.0	DIGM 540	3.0		
	19		17		19		0

Fifth Year

Fall	Credits	Winter	Credits	Spring	Credits
DIGM 680	1.0	DIGM 680	1.0	DIGM 680	1.0
(GR) Digital Media Specialization	3.0	(GR) Digital Media Specialization	3.0	(GR) Digital Media Specialization	3.0
(GR) Digital Media Specialization	3.0	(GR) Digital Media Specialization	3.0	(GR) Directed Elective	3.0
(GR) Directed Elective	3.0	(GR) Directed Elective	3.0		
	10		10		7

Total Credits 232

* Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

5+0 Co-terminal Accelerated Program (Fall/Winter)

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ANIM 110	3.0	ANIM 141	3.0	ANIM 211	3.0	VACATION	
ANIM 140	3.0	ANIM 215	3.0	CIVC 101	1.0		
ENGL 101 or 111	3.0	COOP 101*	1.0	DIGM 105	3.0		
PHYS 170	3.0	ENGL 102 or 112	3.0	ENGL 103 or 113	3.0		
PHYS 171	1.0	PHYS 175	3.0	MATH 101	4.0		
UNIV A101 (Department Specific)	1.0	PHYS 176	1.0	VSST 109	3.0		
VSST 110	3.0	UNIV A101 (Program Specific)	1.0	(UG) Free Elective	3.0		
		VSST 108	3.0				
		(UG) Free Elective	2.0				
	17		20		20		0

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP EXPERIENCE		COOP EXPERIENCE		ANIM 146	1.0	ANIM 155	3.0
				ANIM 212	3.0	ANIM 213	3.0
				ANIM 220	3.0	IDM 100	3.0
				FMTV 100	3.0	VSST 111	3.0
				GMAP 260	3.0	(UG) Free Electives	8.0
				SCRP 270	3.0		
				(UG) Free Elective	4.0		
	0		0		20		20

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP EXPERIENCE		COOP EXPERIENCE		ANIM 221	3.0	ANIM 231	3.0

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
				CS 171	3.0	ANIM 250	3.0
				Concentration Choice	3.0	COM 230	3.0
				ANIM 247 (Organic Modeling Concentration)		FMTV 206	3.0
				ANIM 314 (Character Animation Concentration)		(UG) Free Elective	3.0
				Generalist Concentration Elective		DIGM 510	3.0
				(UG) Art History Elective	3.0	(GR) Digital Media Specialization	2.0
				(UG) Free Elective	4.0		
				DIGM 501	3.0		
	0		**0**		**19**		**20**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ANIM 246	1.0	DIGM 451	3.0	COOP EXPERIENCE		COOP EXPERIENCE	
ANIM 377	3.0	ANIM 378	3.0				
ARTH 300	3.0	(UG) Animation Concentration Elective	3.0				
Concentration Choice	3.0	(UG) Art History	3.0				
ANIM 347 (Organic Modeling Concentration)		DIGM 540	3.0				
ANIM 315 (Character Animation Concentration)		(GR) Digital Media Specialization	3.0				
Generalist Concentration Elective		(GR) Digital Media Specialization	2.0				
(UG) Social Science Elective	3.0						
DIGM 540	3.0						
(GR) Digital Media Specialization	2.0						
	18		**20**		**0**		**0**

Fifth Year

Fall	Credits	Winter	Credits	Spring	Credits
DIGM 490	3.0	ANIM 246	1.0	DIGM 475	3.0
DIGM 491	1.0	DIGM 490	3.0	DIGM 490	3.0
(UG) Animation Concentration Elective	3.0	DIGM 491	1.0	DIGM 491	1.0
(UG) Arts and Humanities Elective	3.0	(UG) Arts and Humanities Elective	3.0	(UG) Arts and Humanities Elective	3.0
DIGM 511	3.0	(UG) Social Science Elective	3.0	(UG) Social Science Elective	3.0
DIGM 680	1.0	DIGM 680	1.0	DIGM 680	1.0
(GR) Digital Media Specialization	3.0	(GR) Digital Media Specialization	3.0	(GR) Digital Media Specialization	3.0
(GR) Directed Elective	3.0	(GR) Directed Elective	3.0	(GR) Directed Elective	3.0
	20		**18**		**20**

Total Credits 232

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

    COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

Architectural Studies BS / Urban Strategy MS

Major: Architectural Studies and Urban Strategy
Degree Awarded: Bachelor of Science (BS) and Master of Science (MS)
Calendar Type: Quarter
Minimum Required Credits: 229.0
Co-op Options: No-Co-op (Five years); One Co-op (Five years)
BS Classification of Instructional Programs (CIP) code: 04.0803
BS Standard Occupational Classification (SOC) code: 25-1031
MS Classification of Instructional Programs (CIP) code: 45.1201
MS Standard Occupational Classification (SOC) code: 19-3051

About the Program

The Bachelor of Science in Architectural Studies degree offers an introduction to architecture while affording students the flexibility to customize their studies based on their interest in the realm of design and the built environment. The program encompasses foundation courses in the applied and social sciences, the humanities, and a range of architecture courses to prepare students to give students an understanding of the discipline. At the heart of the curriculum are the introductory-level design studios where students are challenged to apply their knowledge acquired from the above disciplines to consequential design problems.

As an art, a technical craft and an ethical practice, Architecture is the culturally responsible design and production of buildings that are functional, sustainable, inspiring, and responsive to their physical and social contexts. Students have the opportunity to reinforce their skills in the field by opting to participate in Drexel's signature coop program, giving students the opportunity to work full-time in an architecture or design firm or related fields either locally, nationally or internationally. The BS in Architectural Studies program prepares students for entry level employment in architecture and in fields related to architecture, However this program is not NAAB accredited and does not directly prepare for architectural licensure and registration.

The pre-professional BS in Arch Studies degree creates the foundation in the field of architecture as preparation for continued education in a professional NAAB accredited graduate degree program. It is also the ideal foundation for specialization in other related disciplines such as design research, urban strategy, interior architecture and design, construction management, real estate development, digital media and animation.

The MS in Urban Strategy program is a cross-disciplinary, 48.0 credit master's degree designed to prepare students to become 21st century urbanists equipped to collaboratively and creatively solve complex multi-faceted urban challenges on all levels: locally, nationally and globally. The program boasts a cross-disciplinary curriculum focused on strategy, problem solving, and collaboration in the domains of urban planning, design, health, engineering, policy, community and economic development and sociology.

Admission Requirements

BS Architectural Studies:
• The admission requirements will be similar to those admitted to the Architecture Program; 1250+/- SAT scores and 3.3+/- high school GPA.
• Applicants should submit eight to 12 pieces of work in a variety of media that demonstrate a balance of technique and concept. Portfolio guidelines for the B.S. Architectural Studies will follow the current Westphal College description.
• Writing Supplement.

MS Urban Strategy
Transcripts: Provide official transcripts from all colleges and universities attended

Standardized Test Scores: GRE/MAT test scores are accepted and appreciated, but not required. TOEFL scores are required for international applicants or applicants who earned a degree outside the U.S. (minimum scores: 100/577/233). Scores will be reviewed based on section scores and total scores. IELTS scores may be submitted in lieu of TOEFL scores.

Essay: Please write approximately 500 words explaining your reasons for pursuing a degree from Drexel; your short-term and long-term career plans; and how your background, experience, interest, and/or values, when combined with a Drexel degree, will enable you to pursue these goals successfully.

Résumé: Please submit a resume electronically

Letters of Recommendation: Two letters of recommendation are required. To electronically request recommendations, you must list your recommenders and their contact information on your application. We advise that you follow up with your recommenders to ensure they received your recommendation request — they may need to check their junk mail folder. Additionally, it is your responsibility to confirm that your recommenders will submit letters by your application deadline and follow up with recommenders who have not completed their recommendations.

Academic Experience: You must have a minimum undergraduate GPA of 3.0 in your major.

Degree Requirements

General Education Requirements

CIVC 101	Introduction to Civic Engagement	1.0
COOP 101	Career Management and Professional Development [*]	1.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
MATH 101	Introduction to Analysis I	4.0
MATH 102	Introduction to Analysis II	4.0
PHYS 182	Applied Physics I	3.0
PHIL 317	Ethics and Design Professions	3.0
UNIV A101	The Drexel Experience	2.0
Arts and Humanities - students elect a minimum of 12 credits		12.0
Natural Science - students elect a minimum of 3 credits		3.0
Social Science - students elect a minimum of 9 credits		9.0
Free Electives		24.0

Architecture Requirements

Studios (must be taken in sequence)

ARCH 181	Architecture Studio 1A	4.0
ARCH 182	Architecture Studio 1B	4.0
ARCH 183	Architecture Studio 1C	4.0
ARCH 281	Architecture Studio 2A	4.0
ARCH 282	Architecture Studio 2B	4.0
ARCH 283	Architecture Studio 2C	4.0
ARCH 490	Capstone Project I	4.0
ARCH 492	Capstone Project II	4.0

Required Professional Courses

ARCH 141	Architecture and Society I	3.0
ARCH 142	Architecture and Society II	3.0
ARCH 143	Architecture and Society III	3.0
ARCH 211	Architectural Representation I	2.0
ARCH 212	Architectural Representation II	2.0
ARCH 213	Architectural Representation III	2.0
ARCH 221	Materials & Methods I	1.5
ARCH 222	Materials & Methods II	1.5
ARCH 223	Materials & Methods III	1.5
ARCH 224	Architectural Representation IV	2.0
ARCH 225	Architectural Representation V	2.0
ARCH 226	Architectural Representation VI	2.0
ARCH 251	Structural Systems I	1.5
ARCH 252	Structural Systems II	1.5
ARCH 253	Structural Systems III	1.5
WEST 210	Innovative Problem Solving	3.0

Architecture Electives		**23.0**
ARCH 315	Sustainable Built Environment I	
ARCH 320	Sustainable Built Environment II	
ARCH 341 [WI]	Theories of Architecture I	
ARCH 342 [WI]	Theories of Architecture II	
ARCH 343	Theories of Architecture III	
ARCH 346 [WI]	History of Philadelphia Architecture	
ARCH 347 [WI]	Intensive Architectural Studies	
ARCH 348 [WI]	Studies in Vernacular Architecture	
ARCH 350	Contemporary Architecture	
ARCH 421 [WI]	Environmental Psychology and Design Theory	
ARCH 432	The Development Process	
ARCH 441	Urban Design Seminar	
ARCH 451	Advanced Drawing	
ARCH 455	Computer Applications in Architecture	

ARCH 463	Case Studies in Architectural Technology	
ARCH 465	Energy and Architecture	
ARCH 466	The Architectural Detail	
ARCH 467	Introduction to Historic Preservation	
Interdisciplinary Pathway Electives		**18.0**
Art History		
ARTH 150	Building Skills in Object Analysis	
ARTH 300 [WI]	History of Modern Design	
ARTH 302	Art of India	
ARTH 303	Art of China	
ARTH 304	Art of Japan	
ARTH 314	Contemporary Art	
ARTH 316	African Art	
ARTH 318	Latin American Art	
ARTH 321	Material Matters in Contemporary Art	
Construction Management		
CMGT 263	Understanding Construction Drawings	
CMGT 355	Introduction to Sustainability in Construction	
CMGT 361	Contracts And Specifications I	
CMGT 362	Contracts and Specifications II	
CMGT 363	Estimating I	
CMGT 467	Techniques of Project Control	
Fine Arts and Visual Studies		
VSST 102	Design II	
VSST 103	Design III	
VSST 114	Tablet Drawing	
VSST 202	Multimedia: Space	
VSST 203	Multimedia: Materials	
VSST 304	Materials Exploration	
Game Design & Production		
CS 171	Computer Programming I	
DIGM 105	Overview of Digital Media	
DIGM 350 [WI]	Digital Storytelling	
GMAP 102	Game Design Lab II	
GMAP 211	Game User Interface Design	
GMAP 231	Scripting for Game Design	
GMAP 260	Overview of Computer Gaming	
GMAP 341	Serious Games	
GMAP 342	Experimental Games	
Interior Design		
INTR 200	History of Modern Architecture and Interiors	
INTR 211	Textiles for Interiors	
INTR 250	Interior Materials	
INTR 300 [WI]	Visual Culture: Interiors	
INTR 305 [WI]	Visual Culture: Furniture	
INTR 441	Furniture Design	
Product Design		
PROD 101	History and Analysis of Product Design	
PROD 205	Applied Making I	
PROD 210	Introduction to Product Design	
PROD 215	Design Thinking in Product Design	
PROD 235	Applied Design Visualization	
PROD 240	Smart Product Design	
PROD 340	Interdisciplinary Product Design Studio	
Architectural Design		
ARCH 381	Architecture Studio 3A	
ARCH 382	Architecture Studio 3B	
ARCH 481	Architecture Studio 4A	
ARCH 482	Architecture Studio 4B	
ARCH 484	Specialized Studio	
Urban Strategy Requirements		
ECON 616	Public Finance and Cost Benefit Analysis	3.0

EOH 550	Introduction to Urban Health	3.0
URBS 510	History of Urban Space	3.0
URBS 520	What is a City	3.0
URBS 530	Quantitative Methods & Reasoning for Urban Strategists	3.0
URBS 610	Civic Engagement & Participatory Methods	3.0
URBS 620	City of Systems	3.0
URBS 630	Spatial Reasoning for Urbanists, Architects & Designers	3.0
URBS 670	Thesis I: Research Inquiry & Design	3.0
URBS 675	Thesis Seminar I	1.5
URBS 680	Thesis II: Fieldwork	3.0
URBS 685	Thesis Seminar II	1.5
URBS 690	Thesis III: Documentation	3.0
Graduate Electives [**]		12.0
Total Credits		**229.0**

*   Students not participating in co-op will take one additional credit of ARCH Elective instead of COOP 101 (https://
        nam10.safelinks.protection.outlook.com/?url=http%3A%2F%2Fcatalog.drexel.edu%2Fsearch%2F%3FP%3DCOOP
        %2520101&data=04%7C01%7Ctlm54%40drexel.edu
        %7C34d200b48e0c46fb805008d88a8ff939%7C3664e6fa47bd45a696708c4f080f8ca6%7C0%7C0%7C637411698243934600%7CUnknown
        %7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D
        %7C1000&sdata=uFlg6JYJDuaOW5sJ0XrAyjT%2F8XKJpCwAn57Wbc%2FmRS0%3D&reserved=0).

**   Select 12.0 credits from 500-600 level courses, including Special Topics (T580 and T680) in AADM, AAML, BUSN, CHP, COM, DSRE, EDPO,
        ENTP, ENVP, HMP, INTR, PBHL, PLCY, SCTS, URBS

Sample Plan of Study

4+1, 1 co-op (Accelerated program completed in 5 years)

Students complete undergraduate requirements in four years, then convert to graduate status in the fifth and final year

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARCH 141	3.0	ARCH 142	3.0	ARCH 143	3.0	VACATION	
ARCH 181	4.0	ARCH 182	4.0	ARCH 183	4.0		
ARCH 211	2.0	ARCH 212	2.0	ARCH 213	2.0		
ENGL 101 or 111	3.0	ENGL 102 or 112	3.0	CIVC 101	1.0		
MATH 101	4.0	MATH 102	4.0	ENGL 103 or 113	3.0		
UNIV A101	1.0	UNIV A101	1.0	WEST 210	3.0		
	17		**17**		**16**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARCH 221	1.5	ARCH 222	1.5	ARCH 223	1.5	COOP 101[*]	1.0
ARCH 224	2.0	ARCH 225	2.0	ARCH 226	2.0	(UG) Architecture Elective	6.0
ARCH 251	1.5	ARCH 252	1.5	ARCH 253	1.5	(UG) Arts & Humanities Elective	3.0
ARCH 281	4.0	ARCH 282	4.0	ARCH 283	4.0	(UG) Elective	3.0
(UG) Arts & Humanities Elective	3.0	PHYS 182	3.0	(UG) Architecture Elective	2.0		
(UG) Interdisciplinary Pathway Elective	3.0	(UG) Elective	3.0	(UG) Elective	6.0	(UG) Elective	3.0
(UG) Social Science Elective	3.0			(UG) Natural Science Elective	3.0		3.0
	18		**18**		**17**		**13**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
(UG) Architecture Elective		(UG) Architecture Elective	3.0	COOP EXPERIENCE	3.0	COOP EXPERIENCE	
(UG) Arts and Humanities Elective		(UG) Arts & Humanities Elective	3.0		3.0		
(UG) Interdisciplinary Pathway Elective		(UG) Interdisciplinary Pathway Elective	3.0		3.0		

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
(UG) Social Science Elective	3.0	(UG) Social Science Elective	3.0				
(UG) Elective	3.0	URBS 630	3.0				
URBS 510	3.0						
	18		**15**		**0**		**0**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARCH 490	4.0	ARCH 492	4.0	PHIL 317	3.0	Student converts to Grad status	
(UG) Interdisciplinary Pathway Elective	3.0	(UG) Architecture Elective	3.0	(UG) Architecture Elective	3.0		6.0
(UG) Elective	6.0	(UG) Interdisciplinary Pathway Elective	3.0	(UG) Interdisciplinary Pathway Elective	3.0		3.0
URBS 520	3.0	(UG) Elective	3.0	ECON 616	3.0		3.0
URBS 530	3.0	URBS 620	3.0	Graduate Elective	3.0		3.0
		URBS 610	3.0	BS in Architectural Studies Awarded (181 cr)			
	19		**19**		**18**		**0**

Fifth Year

Fall	Credits	Winter	Credits	Spring	Credits
EOH 550	3.0	URBS 675	1.5	URBS 685	1.5
URBS 670	3.0	URBS 680	3.0	URBS 690	3.0
Graduate Elective	3.0	Graduate Elective	3.0	Graduate Elective	3.0
	9		**7.5**		**7.5**

Total Credits 229

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 (http://catalog.drexel.edu/search/?P=COOP%20101) registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 (http://catalog.drexel.edu/search/?P=COOP%20001) in place of COOP 101 (http://catalog.drexel.edu/search/?P=COOP%20101).

4+1, Non-co-op (Accelerated program completed in 5 years)

Students complete undergraduate requirements in four years, then convert to graduate status in the fifth and final year

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARCH 141	3.0	ARCH 142	3.0	ARCH 143	3.0	VACATION	
ARCH 181	4.0	ARCH 182	4.0	ARCH 183	4.0		
ARCH 211	2.0	ARCH 212	2.0	ARCH 213	2.0		
ENGL 101 or 111	3.0	ENGL 102 or 112	3.0	CIVC 101	1.0		
MATH 101	4.0	MATH 102	4.0	ENGL 103 or 113	3.0		
UNIV A101	1.0	UNIV A101	1.0	WEST 210	3.0		
	17		**17**		**16**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARCH 221	1.5	ARCH 222	1.5	ARCH 223	1.5	VACATION	
ARCH 224	2.0	ARCH 225	2.0	ARCH 226	2.0		
ARCH 251	1.5	ARCH 252	1.5	ARCH 253	1.5		
ARCH 281	4.0	ARCH 282	4.0	ARCH 283	4.0		
(UG) Arts and Humanities Elective	3.0	PHYS 182	3.0	(UG) Architecture Elective	3.0		
(UG) Interdisciplinary Pathway Elective	3.0	(UG) Elective	3.0	(UG) Natural Science Elective	6.0		
(UG) Social Science Elective	3.0			(UG) Elective	3.0		
	18		**18**		**18**		**0**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
(UG) Arts and Humanities Elective	3.0	(UG) Architecture Elective	3.0	PHIL 317	3.0	VACATION	
(UG) Interdisciplinary Pathway Elective	3.0	(UG) Arts & Humanities Elective	3.0	(UG) Architecture Elective	6.0		
(UG) Social Science Elective	3.0	(UG) Interdisciplinary Pathway Elective	3.0	(UG) Arts & Humanities Elective	3.0		
(UG) Elective	3.0	(UG) Social Science Elective	3.0	(UG) Interdisciplinary Pathway Elective	3.0		
URBS 510	3.0	URBS 630	3.0				
	15		**15**		**15**		**0**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARCH 490	4.0	ARCH 492	4.0	(UG) Architecture Elective	6.0	Student converts to Grad status	
(UG) Architecture Elective	3.0	(UG) Architecture Elective	3.0	(UG) Interdisciplinary Pathway Elective	3.0		
(UG) Elective	6.0	(UG) Interdisciplinary Pathway Elective	3.0	(UG) Elective	3.0		
URBS 520	3.0	(UG) Elective	3.0	ECON 616	3.0		
URBS 530	3.0	URBS 610	3.0	Graduate Elective	3.0		
		URBS 620	3.0	BS in Architectural Studies Awarded (181 cr)			
	19		**19**		**18**		**0**

Fifth Year

Fall	Credits	Winter	Credits	Spring	Credits
EOH 550	3.0	URBS 675	1.5	URBS 685	1.5
URBS 670	3.0	URBS 680	3.0	URBS 690	3.0
Graduate Elective	3.0	Graduate Elective	3.0	Graduate Elective	3.0
	9		**7.5**		**7.5**

Total Credits 229

Dance BS / Education MS

Major: Dance and Teaching, Learning and Curriculum
Degree Awarded: Bachelor of Science (BS) & Master of Science (MS)
Calendar Type: Quarter
Minimum Required Credits: 231.0
Co-op Options: One Co-op (Five years)
BS Classification of Instructional Programs (CIP) code: 50.0399
BS Standard Occupational Classification (SOC) code: 25-1121
MS Classification of Instructional Programs (CIP) code: 13.1399
MS Standard Occupational Classification (SOC) code: 11-9039

About the Program

BS/MS in Dance and Teaching, Learning and Curriculum is an accelerated degree that will allow students to pursue a BS degree in Dance through the Department of Performing Arts and continue for a fifth year of study to earn an MS degree in Teaching, Learning and Curriculum through the School of Education. During the graduate portion of the program, students will complete requirements to pursue initial Pennsylvania teacher certification for grade level PreK-4.

Additional Information

For more information about this major, visit the Westphal College's Dance (http://www.drexel.edu/westphal/academics/undergraduate/DANC/) webpage.

Admission Requirements

Admission requirements are the same as a BS in Dance and an MS in Education.

Degree Requirements

BS in Dance Requirements

General Education Requirements

CIVC 101	Introduction to Civic Engagement	1.0
COOP 101	Career Management and Professional Development [*]	1.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
MATH 171	Introduction to Analysis A	3.0
MATH 172	Introduction to Analysis B	3.0
PSY 101	General Psychology I	3.0
PSY 120	Developmental Psychology	3.0
PSY 240 [WI]	Abnormal Psychology	3.0
UNIV A101	The Drexel Experience	1.0
Two English (ENGL) electives		6.0
One Arts and Humanities Elective [**]		3.0
Two Natural Science Electives [***]		8.0
Free Electives [†]		40.0
Dance Major Requirements		
Foundation and Theory Requirements		
ARTH 103	History of Art III	3.0
DANC 108	Dance Improvisation I	2.0
DANC 115	Introduction to Dance	3.0
DANC 116	Dance and Fitness	3.0
DANC 117	Foundations of Somatic Theory and Practice	3.0
DANC 135	Rhythmic Study for Dance	3.0
DANC 215	Dance Appreciation	3.0
DANC 216	Introduction to Laban Movement Analysis	3.0
DANC 221	Survey of Dance and Movement Therapy	3.0
DANC 222	Dance Pedagogy	3.0
DANC 235	Dance Composition I	3.0
DANC 315	Twentieth Century Dance	3.0
DANC 316	Dance Kinesiology	3.0
DANC 335	Dance Composition II	3.0
DANC 415	Dance Aesthetics and Criticism	3.0
DANC 481	Senior Seminar in Dance	1.0
DANC 491	Senior Project in Dance (1.0 credit hour course repeated for a total of 3 credit hours)	3.0
MUSC 331	World Musics	3.0
NFS 100 & NFS 101	Nutrition, Foods, and Health and Introduction to Nutrition & Food	3.0
THTR 240	Theatre Production I	3.0
Performance Requirements		
DANC 131	Dance Practicum in Performance (1.0 credit course repeated for a total of 11.0 credits) [†]	11.0
or DANC 133	Dance Practicum in Choreography	
Technique Requirements		
DANC 104	Ballet Technique I (2.0 credit course repeated for a total of 4.0 credits)	4.0
DANC 105	Modern Dance Technique I (2.0 credit course repeated for a total of 4.0 credits)	4.0
DANC 204	Ballet Technique II (2.0 credit course repeated for a total of 6.0 credits)	6.0
DANC 205	Modern Dance Technique II (2.0 credit course repeated for a total of 6.0 credits)	6.0
DANC 304	Ballet Dance Technique III (2.0 credit course repeated for a total of 4.0 credits)	4.0
DANC 305	Modern Dance Technique III (2.0 credit course repeated for a total of 4.0 credits)	4.0
Select two terms from one of the following:		4.0
DANC 106	Jazz Dance Technique I (2.0 credit course repeated for a total of 4.0 credits)	
DANC 107	Hip-Hop Dance Technique I (2.0 credit course repeated for a total of 4.0 credits)	
DANC 109	African Dance Technique I (2.0 credit course repeated for a total of 4.0 credits)	
Select one term of the following:		2.0
DANC 206	Jazz Dance Technique II	
DANC 207	Hip-Hop Dance Technique II	
DANC 209	African Dance Technique II	
DANC 306	Jazz Dance Technique III	
DANC 307	Hip- Hop Technique Class III	
DANC 309	African Technique Class III	

MS in Education Requirements		
EDEX 542	Fundamentals of Special Education	3.0
EDEX 544	Inclusive Practices	3.0
EDEX 568	Literacy and Content Skill Development PK-12	3.0
EDLT 525	Design for Learning with Digital Media	3.0
EDUC 506	Assessment of Young Learners	3.0
EDUC 513	Elementary Science Teaching Methods	3.0
EDUC 520	Professional Studies in Instruction	3.0
EDUC 521	Typical and Atypical Development in Early Childhood Education	3.0
EDUC 529	Early Literacy	3.0
EDUC 539	Expressive Arts	3.0
EDUC 540	Field Experience	3.0
EDUC 555	Social Studies Teaching Methods	3.0
EDUC 565	Foundations in Instructing English Language Learners	3.0
MTED 517	Mathematics Methods and Content (PreK-4)	3.0
Professional Elective ††		3.0
Total Credits		**231.0**

*	Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.
	COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.
**	Select from 100-499 level courses, including T380-T480 in AFAS, ARCH, ARTH, COM, DANC, ENGL, FMST, GST, HIST, INTR, IST, JWST, LANG, LING, MENA, MUSC, PHIL, PHTO, PPE, PBHL, RELS, SCRP, THTR, TVST, VSCM, WGST, WRIT.
***	Select from 100-499 level courses in ANAT, BIO, CHEM, ENVS, GEO, PHEV, PHYS.
†	For certification, the Education program recommends that students should select the following courses as part of their free electives: BIO 100 or BIO 101 or BIO 161, ENVS 260, HIST 275, and a natural science.
††	Complete 3.0 graduate elective credits (500-799) in EDUC, EDEX, EDGI, EDAM, EHRD, EDHE, ENTP, CRTV, MTED, EDLT, EDLS, ELL, ABA, EDPO, SCL, or ESTM.

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plan of Study

4+1, 1 co-op (Accelerated program completed in 5 years)

Students complete undergraduate requirements in four years, then convert to graduate status in the fifth and final year.

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
DANC 104	2.0	CIVC 101	1.0	DANC 104	2.0	VACATION	
DANC 105	2.0	DANC 105	2.0	DANC 115	3.0		
DANC 116	3.0	DANC 117	3.0	DANC 131 or 133	1.0		
DANC 131 or 133	1.0	DANC 131 or 133	1.0	Select one of the following:	2.0		
ENGL 101 or 111	3.0	DANC 135	3.0	DANC 106			
MATH 171	3.0	ENGL 102 or 112	3.0	DANC 107			
NFS 100	2.0	MATH 172	3.0	DANC 109			
NFS 101	1.0			ENGL 103 or 113	3.0		
UNIV A101	1.0			PSY 101	3.0		

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
				(UG) Free Elective	3.0		
	18		**16**		**17**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARTH 103	3.0	COOP 101*	1.0	DANC 131 or 133	1.0	DANC 131 or 133	1.0
DANC 131 or 133	1.0	DANC 131 or 133	1.0	DANC 204	2.0	DANC 204	2.0
DANC 108	2.0	DANC 221	3.0	DANC 205	2.0	DANC 215	3.0
DANC 204	2.0	DANC 222	3.0	MUSC 331	3.0	(UG) Arts & Humanities Elective	3.0
DANC 216	3.0	DANC 235	3.0	THTR 240	3.0	(UG) ENGL Elective	3.0
PSY 240	3.0	Select one of the following:	2.0	(UG) Free Electives	6.0	(UG) Free Electives	6.0
(UG) Free Elective	2.0	DANC 106					
		DANC 107					
		DANC 109					
		DANC 206					
		DANC 207					
		DANC 209					
		PSY 120	3.0				
	16		**16**		**17**		**18**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP EXPERIENCE		COOP EXPERIENCE		DANC 131 or 133	1.0	DANC 131 or 133	1.0
				DANC 205	2.0	DANC 205	2.0
				DANC 304	2.0	DANC 304	2.0
				DANC 315	3.0	DANC 335	3.0
				DANC 316	3.0	(UG) Free Elective	3.0
				DANC 481	1.0	(UG) Natural Science Elective	4.0
				(UG) Free Elective	2.0	EDEX 542	3.0
				EDUC 520	3.0		
	0		**0**		**17**		**18**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
DANC 131 or 133	1.0	DANC 131 or 133	1.0	DANC 415	3.0	Student converts to Graduate status	
DANC 305	2.0	DANC 305	2.0	DANC 491	1.0	EDLT 525	3.0
DANC 491	1.0	DANC 491	1.0	(UG) ENGL Elective	3.0	EDUC 506	3.0
Select one of the following:	2.0	(UG) Free Electives	6.0	(UG) Free Elective	6.0	EDUC 539	3.0
DANC 206		(UG) Natural Science Elective	4.0	EDUC 521	3.0		
DANC 207		EDEX 568	3.0				
DANC 209							
DANC 306							
DANC 307							
DANC 309							
(UG) Free Elective	6.0						
EDEX 544	3.0						
	15		**17**		**16**		**9**

Fifth Year

Fall	Credits	Winter	Credits	Spring	Credits
EDUC 529	3.0	EDUC 513	3.0	EDUC 555	3.0
EDUC 565	3.0	EDUC 540	3.0	(GR) Elective	3.0
MTED 517	3.0				
	9		**6**		**6**

Total Credits 231

* Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

Design & Merchanding BS / Business Administration MBA

Major: Design & Merchandising and Business Administration
Degree Awarded: Bachelor of Science (BS) and Master of Business Administration (MBA)
Calendar Type: Quarter
Minimum Required Credits: 230.0
Co-op Options: One Co-op (Five years)
BS Classification of Instructional Programs (CIP) code: 50.0499
BS Standard Occupational Classification (SOC) code: 13-1022
MBA Classification of Instructional Programs (CIP) code: 52.0201
MBA Standard Occupational Classification (SOC) code: 11-1021

About the Program

Only available to Design & Merchandising majors, this accelerated dual degree program combines study in the areas of design & merchandising for the fashion lifestyle industries with the MBA degree. The program is designed to allow students to complete both the bachelor's degree and the Master of Business Administration degree in five years.

The program is offered to qualified students who apply for this option prior to the end of freshmen year or prior to the completion of 90.0 credits. All students who apply for this option must take the GMAT entrance exam. Incoming freshmen selected for this program will generally have a minimum of 1350 on the SAT, a GPA of 3.5 or better, and rank in the top 10% of their high school graduating class. A strong candidate for this program will have taken significant AP coursework while in high school.

BS/MBA students may be waived from two LeBow MBA courses, assuming a grade of B or better is earned in specified undergraduate courses. Students can review the Waiver Policies for the Statement of Curriculum Standing on the LeBow College's website for additional information. The above conditions hold only for fully accepted BS/MBA students as identified by Enrollment Management.

Additional Information

Students should visit the Westphal College of Media Arts and Design (http://www.drexel.edu/westphal/) for more information.

Admission Requirements

Additional requirements for the accelerated dual degree program include:

- A minimum of a 3.2 cumulative GPA must be maintained throughout the entire undergraduate portion of this program or the student will not be able to continue on to the MBA.
- Students must take the GMAT examination and achieve a minimum score of 570 prior to the end of the tenth term in order to continue in the program. It is recommended that students take the GMAT examination late in the student's third year.
- Students must submit an acceptable plan of study at least three terms before anticipated start of the graduate part of the program.

Degree Requirements

General Education Requirements		
CIVC 101	Introduction to Civic Engagement	1.0
COOP 101	Career Management and Professional Development [*]	1.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
ENVS 160	Environment in the News	2.0
ENVS 260	Environmental Science and Society	3.0
GEO 111	Natural Disasters	3.0
MATH 119	Mathematical Foundations for Design	4.0
UNIV A101	The Drexel Experience	1.0
Required Arts and Humanities		
COM 220	Qualitative Research Methods	3.0
COM 230	Techniques of Speaking	3.0

Arts and Humanities Elective **		3.0
Required Social Science		
Select one of the following:		3.0
AFAS 301	Politics of Hip Hop	
PSY 150	Introduction to Social Psychology	
WGST 324	Retail Intersections: Social & Cultural Issues	
Social Science Electives ***		6.0
Visual Studies Requirements		
ARTH 103	History of Art III	3.0
Select two of the following:		6.0
ARTH 301	Asian Art and Culture	
ARTH 302	Art of India	
ARTH 303	Art of China	
ARTH 304	Art of Japan	
ARTH 314	Contemporary Art	
ARTH 315	History of African-American Art	
ARTH 316	African Art	
ARTH 331 [WI]	Global Material Culture	
ARTH T380	Special Topics in Art History	
ARTH T480	Special Topics in Art History	
PHTO 110	Photography	3.0
VSST 101	Design I	4.0
VSST 102	Design II	4.0
VSST 103	Design III	4.0
VSST 110	Introductory Drawing	3.0
Professional Requirements		
ACCT 110	Accounting for Professionals	4.0
ARTH 335 [WI]	History of Costume I: Preclassical to 1800	3.0
COM 181	Public Relations Principles and Theory	3.0
DSMR 100	Computer Imaging I	3.0
DSMR 103	Introduction to the Fashion Industry	3.0
DSMR 201	Analysis of Product	3.0
DSMR 210	Presentation Techniques Design and Merchandising	3.0
DSMR 211	Digital Design for Design and Merchandising	3.0
DSMR 215	Digital Commerce & Promotion	3.0
DSMR 230	Textiles for Design and Merchandising	3.0
DSMR 231	Retail Operations	3.0
DSMR 232	Merchandise Planning and Buying	4.0
DSMR 300	Design and Merchandising Trends and Impact	3.0
DSMR 310	Merchandising Operations & Management	3.0
DSMR 311	Visual Merchandising	3.0
DSMR 333	Fashion Product Development and Sourcing	3.0
DSMR 464	Merchandising Analytics	3.0
DSMR 477 [WI]	Design and Merchandising Seminar	3.0
DSMR 496 [WI]	Senior Problem in Design and Merchandising	3.0
ECON 201	Principles of Microeconomics	4.0
ENTP 105	Entrepreneurial Thinking	3.0
MKTG 201	Introduction to Marketing Management	4.0
MKTG 321	Selling and Sales Management	4.0
or MKTG 326	Marketing Insights	
or MKTG 344	Professional Personal Selling	
or MKTG 356	Consumer Behavior	
or MKTG 362	Brand and Reputation Management	
PHIL 301	Business Ethics	3.0
PROD 215	Design Thinking in Product Design	4.0
Career Pathway Electives †		31.0
MBA Requirements		
ACCT 510	Essentials of Financial Reporting	2.0
BLAW 510	Analyzing Legal Options in Decision-Making	2.0
BSAN 601	Business Analytics for Managers	3.0
ECON 601	Managerial Economics	3.0
FIN 601	Corporate Financial Management	3.0

MGMT 520	Strategy Analysis	2.0
MGMT 530	Managing and Leading the Total Enterprise	2.0
MGMT 770	MBA Capstone	2.0
MKTG 510	Marketing Strategy	2.0
ORGB 511	Leading in Dynamic Environments: A Personal, Relational, and Strategic Approach	3.0
POM 510	Operations and Supply Chain Management	2.0
Experiential Requirement-Select one course:		**3.0**
BUSN 615	Graduate Internship	
INTB 790	International Business Seminar and Residency	
MGMT 680	Leading for Innovation	
MGMT 715	Business Consulting	
MIS 652	Business Agility and IT	
ORGB 640	Negotiations for Leaders	
TAX 715	Tax Experiential Learning	
Concentration Requirements (Select one concentration from list below)		9.0
Free Electives		11.0
Total Credits		**230.0**

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

**   Select 9.0 credits from 100-499 level courses, including T380-480 in AFAS, ARTH, ARCH, COM, DANC, ENGL, FMST, GST, HIST, INTR, IST, JWST, LANG, LING, MENA, MUSC, PHIL, PHTO, PPE, PBHL, RELS, SCRP, THTR, TVST, VSCM, WGST, and WRIT.
Suggested Arts and Humanities electives: ENGL 303, ENGL 335, HIST 163.

***   Select 9.0 credits from 100-499 level courses, including T380-T480, in AFAS, ANTH, CJS, CS, ECON, ENSS, ENVS, PSI, PSY, PBHL, SOC, and WGST.
Suggested Social Science electives: SOC 210, SOC 215, SOC 240, SOC 340, SOC I499.

†   Career Pathway electives enable students to pursue specific areas of study, which complement the Design and Merchandising major and the student's desired career pathway.

MBA Concentrations

Students selecting a concentration can choose from the following:

Business Analytics Concentration

Select three of the following:		**9.0**
STAT 632	Datamining for Managers	
MIS 612	Aligning Information Systems and Business Strategies	
MIS 630	Inter-Active Decision Support Systems	
MIS 632	Database Analysis and Design for Business	
MKTG 606	Customer Analytics	
MKTG 607	Marketing Experiments	
OPR 601	Managerial Decision Models and Simulation	
POM 645	Supply Chain Analytics	
STAT 610	Statistics for Business Analytics	
STAT 645	Time Series Forecasting	
STAT T680	Special Topics in STAT	
Total Credits		**9.0**

Finance Concentration

Select three of the following:		**9.0**
FIN 602	Advanced Financial Management	
FIN 605	Business Valuation	
FIN 610	Corporate Governance	
FIN 615	Environmental and Social Issues in Finance	
FIN 622	Financial Institutions & Markets	
FIN 624	Risk Management	
FIN 626	Investment Management	

FIN 635	Entrepreneurial Finance	
FIN 639	FinTech	
FIN 645	Behavioral Finance	
FIN 648	International Financial Management	
FIN T680	Special Topics in Finance	
Total Credits		**9.0**

Marketing Concentration

Select three of the following, of which two MUST be from MKTG (any course with MKTG subject code and course number between 600-699):		9.0
MKTG Course 600-699		
BLAW T680	Special Topics in Legal Studies	
ECON 540	Intro to Econometrics and Data Analysis	
ECON 610	Microeconomics	
INTB 620	International Business Management	
MGMT 655	Knowledge Management	
MIS 624	Systems Analysis & Design	
MIS 632	Database Analysis and Design for Business	
OPR 601	Managerial Decision Models and Simulation	
POM 610	Supply Chain Management I	
STAT 634	Quality & Six-Sigma	
STAT 645	Time Series Forecasting	
Total Credits		**9.0**

Strategic Technology & Innovation Management Concentration

Required Courses		
MGMT 602	Innovation Management	3.0
MGMT 603	Technology Strategy	3.0
Electives		
Select one of the following:		3.0
ECON 650	Business & Economic Strategy: Game Theory & Applications	
MGMT 600	Introduction to Change Management: An Integration of Macro and Micro Perspectives	
MGMT 604	Strategic Change Management	
MGMT 640	Strategic Human Resource Management	
MGMT 655	Knowledge Management	
MGMT 676	Sustainability and Value Creation	
MGMT 680	Leading for Innovation	
MGMT 686	Strategy Implementation	
MGMT 690	Change Management Experiential Capstone	
MIS 641	MIS Policy and Strategy	
MIS 652	Business Agility and IT	
MKTG 638	New Product Planning, Strategy, and Development	
OPR 601	Managerial Decision Models and Simulation	
ORGB 602	Leading and Executing Change	
ORGB 640	Negotiations for Leaders	
STAT 645	Time Series Forecasting	
Total Credits		**9.0**

Supply Chain Management & Logistics Concentration

Select three of the following:		9.0
MGMT 660	Leading the Digital Supply Chain	
MIS 624	Systems Analysis & Design	
OPR 601	Managerial Decision Models and Simulation	
POM 610	Supply Chain Management I	
POM 615	Supply Chain Management II	
POM 624	Management of Service Firms	
POM 630	Transportation & Logistics Management	
POM 642	Sustainable Supply Chain Management and Logistics	
POM 644	Revenue Management	
POM 645	Supply Chain Analytics	
POM T680	Special Topics in POM	

STAT 634	Quality & Six-Sigma
STAT 645	Time Series Forecasting
Total Credits	**9.0**

Customized Concentration

Students can self customize a concentration with coordination between their program manager and with faculty guidance. Please see your program manager/academic advisor for further information.	9.0
MBA Graduate Credits include courses in Accounting (ACCT), Statistics (STAT), Economics (ECON), Finance (FIN), General Business (BUSN), Interdisciplinary Business (INDS), International Business (INTB), Legal Studies (BLAW), Management (MGMT), Management Information Systems (MIS), Marketing (MKTG), Operations Research (OPR), Organizational Behavior (ORGB), Production Operations Management (POM), Sport Management (SMT) or Taxation (TAX), with a course number range between 500-799 or other approved course at the graduate level.	
Total Credits	**9.0**

Corporate Sustainability and Social Impact Concentration

Choose three from the following:		**9.0**
BLAW 620	Legal Aspects of Employment	
FIN 610	Corporate Governance	
FIN 615	Environmental and Social Issues in Finance	
INDS T680	Special Topics in Interdisciplinary Business	
MGMT 670	Business Ethics	
MGMT 676	Sustainability and Value Creation	
MKTG 654	Corporate Brand & Reputation Management	
ORGB T680	Special Topics in ORGB	
POM 642	Sustainable Supply Chain Management and Logistics	
SMT 606	Social Issues in Sport	

Effective Leadership Concentration

Choose three of the following:		**9.0**
MGMT 660	Leading the Digital Supply Chain	
MGMT 670	Business Ethics	
MGMT 676	Sustainability and Value Creation	
ORGB 620	Leading Virtual Teams	
ORGB 640	Negotiations for Leaders	

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plan of Study

4+1, 1 co-op (Accelerated program completed in 5 years)

Students complete undergraduate requirements in four years, then convert to graduate status in the fifth and final year.

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
DSMR 103	3.0	DSMR 100	3.0	CIVC 101	1.0	VACATION	
ENGL 101 or 111	3.0	DSMR 230	3.0	DSMR 201	3.0		
ENVS 260	3.0	ENGL 102 or 112	3.0	ENGL 103 or 113	3.0		
UNIV A101	1.0	GEO 111	3.0	ENVS 160	2.0		
VSST 101	4.0	VSST 102	4.0	MATH 119	4.0		
VSST 110	3.0			VSST 103	4.0		
	17		**16**		**17**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ACCT 110	4.0	ARTH 103	3.0	DSMR 210 or 215	3.0	COM 230, 220, or 181	3.0
COM 181, 220, or 230	3.0	COM 220, 230, or 181	3.0	DSMR 232 (or Career Pathway Elective)	4.0	DSMR 215 (or Career Pathway Elective)	3.0
DSMR 211	3.0	COOP 101[*]	1.0	ECON 201	4.0	ENTP 105	3.0
DSMR 231 (or Art History Elective)	3.0	DSMR 210 or 211	3.0	MKTG 201	4.0	PHTO 110	3.0
Select one of the following:	3.0	DSMR 215 or PHTO 110	3.0		3.0	(UG) Career Pathway Elective	3.0
AFAS 301		DSMR 231 or 232 (or Art History Elective)			3.0		
PSY 150							
WGST 324							
	16		**16**		**15**		**15**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP EXPERIENCE		COOP EXPERIENCE		DSMR 300 or 477	3.0	DSMR 311 (or Art History Elective)	3.0
				DSMR 310	3.0	DSMR 477 or 300	3.0
				DSMR 311 (or Art History Elective)	3.0	PROD 215 (or Marketing Choice)	4.0
				DSMR 333	3.0	(UG) Social Science Elective	3.0
				(UG) Career Pathway Elective	4.0		
	0		**0**		**16**		**13**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARTH 335 or DSMR 464	3.0	DSMR 464 or ARTH 335	3.0	PHIL 301	3.0	Awarded UG Degree	
DSMR 496 (or Career Pathway Elective)	3.0	DSMR 496 (or Career Pathway Elective)	3.0	(UG) Art and Humanities (choice)	3.0	Student converts to Grad status	
PROD 215 (or Marketing Choice)	4.0	(UG) Career Pathway Elective	8.0	(UG) Career Pathway Electives	3.0		
(UG) Career Pathway Elective	4.0	BSAN 601	3.0	(UG) Social Science Elective	3.0		
ACCT 510	2.0			ECON 601	3.0		
	16		**17**		**15**		**0**

Fifth Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
FIN 601	3.0	BLAW 510	2.0	MGMT 520	2.0	MGMT 770	2.0
MGMT 530	2.0	ORGB 511	3.0	(GR) Concentration Requirement	3.0	(GR) Concentration Requirements	6.0
MKTG 510	2.0	(GR) Electives	6.0	(GR) Electives	5.0	(GR) Experiential Elective	3.0
POM 510	2.0						
	9		**11**		**10**		**11**

Total Credits 230

[*]   COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

Design & Merchandising BS / Retail & Merchandising MS

Major: Design & Merchandising and Retail & Merchandising
Degree Awarded: Bachelor of Science (BS) and Master of Science (MS)
Calendar Type: Quarter
Minimum Required Credits: 226.0
Co-op Options: One Co-op (Five years)
BS Classification of Instructional Programs (CIP) code: 50.0499
BS Standard Occupational Classification (SOC) code: 13-1022
MS Classification of Instructional Programs (CIP) code: 52.0212

MS Standard Occupational Classification (SOC) code: 41-1011

About the Program

Only available to Design & Merchandising majors, this accelerated dual degree program combines study in the areas of design & merchandising, buying, and product development with the MS in Retail & Merchandising degree. The program is designed to allow students to complete both the bachelor's degree and the MS in Retail & Merchandising degree in five years.

Students will develop advanced skills to think critically, consider theoretical perspectives, research and solve problems, and implement innovative solutions in a dynamic global marketplace inclusive of lifestyle areas such as home, beauty and personal care, health and wellness, prepared foods, and pet products.

The program is structured with a year of core curriculum which can be started during a students senior year of their BS program, followed by a year of in-depth research, data collection, and completion of a project or thesis. Program content will challenge and engross students in the areas of analytical and critical-thinking, retail data analysis, visual and retail communication, technological movements, social media, and merchandising and retail "future" strategies through academic and applied learning online and in the field.

Graduates with a dual degree will pursue leadership roles and career growth in the areas of retail, merchandising, supply-chain, and brand industries.

Additional Information

Students should visit the Westphal College of Media Arts and Design (http://www.drexel.edu/westphal/) for more information.

Admission Requirements

GPA of at least 3.0
If you don't meet this requirement you're still encouraged to apply and your file will be reviewed on an individual basis by the Program Director

Degree Requirements

General Education Requirements

ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
ENVS 160	Environment in the News	2.0
ENVS 260	Environmental Science and Society	3.0
GEO 111	Natural Disasters	3.0
MATH 119	Mathematical Foundations for Design	4.0
COOP 101	Career Management and Professional Development	1.0
UNIV A101	The Drexel Experience	1.0
CIVC 101	Introduction to Civic Engagement	1.0
Required Arts and Humanities		
COM 220	Qualitative Research Methods	3.0
COM 230	Techniques of Speaking	3.0
Required Social Science		
Arts & Humanities elective*		3.0
Select one of the following:		3.0
AFAS 301	Politics of Hip Hop	
PSY 150	Introduction to Social Psychology	
WGST 324	Retail Intersections: Social & Cultural Issues	
Social Science electives**		6.0
Art History & Visual Studies Requirements		
ARTH 103	History of Art III	3.0
Select two of the following:		6.0
ARTH 301	Asian Art and Culture	
ARTH 302	Art of India	
ARTH 303	Art of China	
ARTH 304	Art of Japan	
ARTH 314	Contemporary Art	
ARTH 315	History of African-American Art	
ARTH 316	African Art	

ARTH 331 [WI]	Global Material Culture	
ARTH T380	Special Topics in Art History	
ARTH T480	Special Topics in Art History	
PHTO 110	Photography	3.0
VSST 101	Design I	4.0
VSST 102	Design II	4.0
VSST 103	Design III	4.0
VSST 110	Introductory Drawing	3.0
Professional Requirements		
ACCT 110	Accounting for Professionals	4.0
ARTH 335 [WI]	History of Costume I: Preclassical to 1800	3.0
COM 181	Public Relations Principles and Theory	3.0
DSMR 100	Computer Imaging I	3.0
DSMR 103	Introduction to the Fashion Industry	3.0
DSMR 201	Analysis of Product	3.0
DSMR 210	Presentation Techniques Design and Merchandising	3.0
DSMR 211	Digital Design for Design and Merchandising	3.0
DSMR 215	Digital Commerce & Promotion	3.0
DSMR 230	Textiles for Design and Merchandising	3.0
DSMR 231	Retail Operations	3.0
DSMR 232	Merchandise Planning and Buying	4.0
DSMR 300	Design and Merchandising Trends and Impact	3.0
DSMR 310	Merchandising Operations & Management	3.0
DSMR 311	Visual Merchandising	3.0
DSMR 333	Fashion Product Development and Sourcing	3.0
DSMR 464	Merchandising Analytics	3.0
DSMR 477 [WI]	Design and Merchandising Seminar	3.0
DSMR 496 [WI]	Senior Problem in Design and Merchandising	3.0
ECON 201	Principles of Microeconomics	4.0
ENTP 105	Entrepreneurial Thinking	3.0
MKTG 201	Introduction to Marketing Management	4.0
Select one of the following:		4.0
MKTG 321	Selling and Sales Management	
MKTG 326	Marketing Insights	
MKTG 344	Professional Personal Selling	
MKTG 356	Consumer Behavior	
MKTG 362	Brand and Reputation Management	
PHIL 301	Business Ethics	3.0
PROD 215	Design Thinking in Product Design	4.0
Career Pathway Electives***		31.0
RMER-MS REQUIREMENTS		
RMER 500	Retail Merchandising	3.0
RMER 510	Research Methods in Retail & Merchandising	4.0
RMER 520	Retail: Social and Cultural Issues	3.0
RMER 530	Retail Lifestyle Product Analytics	3.0
RMER 535	Retail Lifestyle Product Forecasting	3.0
RMER 540	Retail Brand Storytelling	3.0
RMER 550	Retail Store Technology & Visual Display	3.0
RMER 560	Selling Techniques & Strategies	3.0
RMER 570	Retail Supply Chain Analysis	3.0
RMER 580	Retail & Merchandising Seminar in Leadership	3.0
RMER 585	The Inclusive Retail Leader	4.0
RMER 600	Retail Futures	3.0
RMER 697	Research & Data Collection	3.0
RMER 698	Project/Research Thesis	4.0
Total Credits		**226.0**

*   Select 9.0 credits from 100-499 level courses, including T380-480 in AFAS, ARTH, ARCH, COM, DANC, ENGL, FMST, GST, HIST, INTR, IST, JWST, LANG, LING, MENA, MUSC, PHIL, PHTO, PPE, PBHL, RELS, SCRP, THTR, TVST, VSCM, WGST, and WRIT.
        Suggested Arts and Humanities electives: ENGL 303, ENGL 335, HIST 163.

**   Select 9.0 credits from 100-499 level courses, including T380-T480, in AFAS, ANTH, CJS, CS, ECON, ENSS, ENVS, PSI, PSY, PBHL, SOC, and WGST.

Suggested Social Science electives: SOC 210, SOC 215, SOC 240, SOC 340, SOC I499.

*** Career Pathway electives enable students to pursue specific areas of study which compliment the Design & Merchandising major and the student's desired career pathway.

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plan of Study

Fall/Winter Co-op (Cycle A)

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
DSMR 103	3.0	DSMR 100	3.0	CIVC 101	1.0	VACATION	
ENGL 101 or 111	3.0	DSMR 230	3.0	DSMR 201	3.0		
ENVS 260	3.0	ENGL 102 or 112	3.0	ENGL 103 or 113	3.0		
UNIV A101	1.0	GEO 111	3.0	ENVS 160	2.0		
VSST 110	3.0	VSST 102	4.0	MATH 119	4.0		
VSST 101	4.0			VSST 103	4.0		
	17		**16**		**17**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ACCT 110	4.0	ARTH 103	3.0	DSMR 210 or 215	3.0	COM 230, 181, or 220	3.0
COM 181, 220, or 230	3.0	COM 220, 181, or 230	3.0	DSMR 232 (or Career Pathway Elective) (UG)	4.0	DSMR 215 (or Career Pathway Elective) (UG)	3.0
DSMR 211	3.0	COOP 101*	1.0	ECON 201	4.0	ENTP 105	3.0
DSMR 231 (or Art History Elective) (UG)	3.0	DSMR 210 or 211	3.0	MKTG 201	4.0	PHTO 110	3.0
Select one from the following:	3.0	DSMR 215 or PHTO 110	3.0			Career Pathway Elective (UG)	3.0
AFAS 301		DSMR 231 or 232 (or Art History Elective) (UG)	3.0				
PSY 150							
WGST 324							
	16		**16**		**15**		**15**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP EXPERIENCE		COOP EXPERIENCE		DSMR 300 or 477	3.0	DSMR 311 (or Art History Elective) (UG)	3.0
				DSMR 310	3.0	DSMR 477 or 300	3.0
				DSMR 311 (or Art History Elective) (UG)	3.0	PROD 215 (or Marketing Choice) (UG)	4.0
				DSMR 333	3.0	Social Science (UG)	3.0
				Career Pathway Elective (UG)	4.0		
	0		**0**		**16**		**13**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARTH 335 or DSMR 464	3.0	DSMR 464 or ARTH 335	3.0	PHIL 301	3.0	STUDENT CONVERTS TO GR STATUS	
DSMR 496 (or Career Pathway Elective) (UG)	3.0	DSMR 496 (or Career Pathway Elective) (UG)	3.0	Arts and Humanities (choice) (UG)	3.0	RMER 560	3.0

	Credits		Credits		Credits		Credits
PROD 215 (or Marketing Choice) (UG)	4.0	Career Pathway Elective (UG)	8.0	Career Pathway Elective (UG)	3.0	RMER 585	4.0
Career Pathway Elective (UG)	4.0	RMER 530	3.0	Social Science Elective (UG)	3.0		
RMER 500	3.0			RMER 540	3.0		
				RMER 550	3.0		
	17		**17**		**18**		**7**

Fifth Year

Fall	Credits	Winter	Credits	Spring	Credits
RMER 520	3.0	RMER 510	4.0	RMER 697	3.0
RMER 570	3.0	RMER 535	3.0	RMER 698	4.0
RMER 580	3.0	RMER 600	3.0		
	9		**10**		**7**

Total Credits 226

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

Fall/Winter Co-op (Cycle A - London Option)

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
DSMR 103	3.0	DSMR 100	3.0	CIVC 101	1.0	VACATION	
ENGL 101 or 111	3.0	DSMR 230	3.0	DSMR 201	3.0		
ENVS 260	3.0	ENGL 102 or 112	3.0	ENGL 103 or 113	3.0		
UNIV A101	1.0	GEO 111	3.0	ENVS 160	2.0		
VSST 101	4.0	VSST 102	4.0	MATH 119	4.0		
VSST 110	3.0			VSST 103	4.0		
	17		**16**		**17**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ACCT 110	4.0	ARTH 103	3.0	DSMR 210 or 215	3.0	COM 230, 220, or 181	3.0
COM 181, 220, or 230	3.0	COM 220, 181, or 230	3.0	DSMR 232 or 231 (or Career Pathway Elective) (UG)	4.0	DSMR 477	3.0
DSMR 211	3.0	COOP 101 [*]	1.0	ECON 201	1.0	ENTP 105	3.0
DSMR 231 (or Art History Elective) (UG)	3.0	DSMR 210 or 211	3.0	MKTG 201	3.0	PHTO 110 or DSMR 215	3.0
Select one of the following:	3.0	DSMR 215 or PHTO 110	3.0		3.0	Career Pathway Elective (UG)	3.0
AFAS 301		DSMR 231 or 232 (or Art History Elective) (UG)	3.0		3.0		
PSY 150							
WGST 324							
	16		**16**		**15**		**15**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP EXPERIENCE		COOP EXPERIENCE		DSMR 300 or 477	3.0	London Classes	
				DSMR 310	3.0	Art History Elective (UG)	3.0
				DSMR 311	3.0	Career Pathway Electives (UG)	9.0
				DSMR 333	3.0	Social Science (choice) (UG)	3.0
				PROD 215 (or Career Pathway Elective) (UG)	4.0		
	0		**0**		**16**		**15**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARTH 335 or DSMR 464	3.0	DSMR 464 or ARTH 335	3.0	DSMR 300 (or Career Pathway Elective) (UG)	3.0	STUDENT CONVERTS TO GR STATUS	
DSMR 496 (or Career Pathway Elective) (UG)	3.0	DSMR 496 (or Career Pathway Elective) (UG)	3.0	PHIL 301	3.0	RMER 560	3.0
PROD 215 (or Marketing Choice) (UG)	4.0	PROD 215 (or Marketing Choice) (UG)	4.0	Arts and Humanities (choice) (UG)	3.0	RMER 580	3.0
Social Science Elective (UG)	3.0	Career Pathway Elective (UG)	3.0	Career Pathway Elective (UG)	3.0		
RMER 500	3.0	RMER 530	3.0	RMER 540	3.0		
				RMER 550	3.0		
	16		**16**		**18**		**6**

Fifth Year

Fall	Credits	Winter	Credits	Spring	Credits
RMER 520	3.0	RMER 510	4.0	RMER 697	3.0
RMER 570	3.0	RMER 535	3.0	RMER 698	4.0
RMER 585	4.0	RMER 600	3.0		
	10		**10**		**7**

Total Credits 226

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

Spring/Summer Co-op (Cycle B)

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
DSMR 103	3.0	DSMR 100	3.0	CIVC 101	1.0	VACATION	
ENGL 101 or 111	3.0	DSMR 230	3.0	DSMR 201	3.0		
ENVS 260	3.0	ENGL 102 or 112	3.0	ENGL 103 or 113	3.0		
UNIV A101	1.0	GEO 111	3.0	ENVS 160	2.0		
VSST 101	4.0	VSST 102	4.0	MATH 119	4.0		
VSST 110	3.0			VSST 103	4.0		
	17		**16**		**17**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ACCT 110	4.0	ARTH 103	3.0	DSMR 210 or 215	3.0	COM 230, 220, or 181	3.0
COM 181, 220, or 230	3.0	COM 220, 230, or 181	3.0	DSMR 232 or 231 (or Career Pathway Elective) (UG)	4.0	COOP 101*	1.0
DSMR 211	3.0	DSMR 210 or 211	3.0	ECON 201	4.0	ENTP 105	3.0
DSMR 231 (or Art History Elective) (UG)	3.0	DSMR 215 or PHTO 110	3.0	MKTG 201	3.0	PHTO 110 or DSMR 215	3.0
Select one of the following:		DSMR 231 or 232 (or Art History Elective) (UG)	3.0		3.0	Career Pathway Electives (UG)	6.0
AFAS 301							
PSY 150							
WGST 324							
	16		**15**		**15**		**16**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
DSMR 300 or 477	3.0	DSMR 311 (or Art History Elective) (UG)	3.0	COOP EXPERIENCE		COOP EXPERIENCE	
DSMR 310	3.0	DSMR 477 or 300	3.0		3.0		
DSMR 311 (or Career Pathway Elective) (UG)	3.0	PROD 215 (or Marketing Choice) (UG)	4.0				
DSMR 333	3.0	Social Science (choice) (UG)	3.0				

Career Pathway Elective (UG)	4.0						
	16		**13**		**0**		**0**

Fourth Year							
Fall	**Credits**	**Winter**	**Credits**	**Spring**	**Credits**	**Summer**	**Credits**
ARTH 335 or DSMR 464	3.0	DSMR 300 or PHIL 301	3.0	PHIL 301 or DSMR 300	3.0	STUDENT CONVERTS TO GR STATUS	
DSMR 496 (Or Career Pathway Elective (UG))	3.0	DSMR 464 or ARTH 335	3.0	Arts and Humanities (choice) (UG)	3.0	RMER 560	3.0
PROD 215 (or Marketing choice) (UG)	4.0	DSMR 496 (Or Career Pathway Elective (UG))	3.0	Career Pathway Elective (UG)	4.0	RMER 580	3.0
Career Pathway Elective (UG)	4.0	Career Pathway Elective (UG)	4.0	Social Science Elective (UG)	3.0		
RMER 500	3.0	RMER 530	3.0	RMER 540	3.0		
				RMER 550	3.0		
	17		**16**		**19**		**6**

Fifth Year						
Fall	**Credits**	**Winter**	**Credits**	**Spring**	**Credits**	
RMER 520	3.0	RMER 510	4.0	RMER 697	3.0	
RMER 570	3.0	RMER 535	3.0	RMER 698	4.0	
RMER 585	4.0	RMER 600	3.0			
	10		**10**		**7**	

Total Credits 226

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

Digital Media and Virtual Production BS / Digital Media MS

Major: Digital Media and Virtual Production and Digital Media
Degree Awarded: Bachelor of Science (BS) & Master of Science (MS)
Calendar Type: Quarter
Minimum Required Credits: 232.0
Co-op Options: One Co-op (Five years); Three Co-op (Five years)
BS Classification of Instructional Programs (CIP) code: 09.0702
BS Standard Occupational Classification (SOC) code: 11-9199
MS Classification of Instructional Programs (CIP) code: 11.0801
MS Standard Occupational Classification (SOC) code: 15-1134

About the Program

The program is a natural extension of our undergraduate program in Digital Media & Virtual Production and challenges students to push beyond what's known and into what's possible. It combines research with applicable skills in 21st century media applications and offers a mix of academic coursework and project-related activities in advanced digital design, including 3D modeling, animation, interactivity, gaming and digital media history, theory and methods.

Courses required by this major are predominantly conducted in-person, on campus. However, given the virtual focus of the major itself, a select number of courses are conducted via virtual modalities to engage a diverse population of instructors and students from beyond campus boundaries, as well as exercise the practice and application of virtual technologies and disciplines.

Additional Information

For more information about this major, visit the Westphal College's Digital Media & Virtual Production (https://drexel.edu/westphal/academics/undergraduate/virtual-reality/) web page.

Admission Requirements

Students who wish to enter the accelerated program are required to have a minimum GPA of 3.5 and between 70 and 120 credits of completed undergraduate coursework.

Acceptance into the accelerated program is decided by the program director of the Digital Media MS program in consultation with the undergraduate program director in Virtual Reality and Immersive Media as well as the Department's Graduate Admissions Committee.

Main criterium for acceptance is an evaluation of the student's prior academic performance and the student's likelihood of success within the program.

Degree Requirements

Undergraduate Required Courses

	General Education	
CIVC 101	Introduction to Civic Engagement	1.0
COM 230	Techniques of Speaking	3.0
COOP 101	Career Management and Professional Development [*]	1.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
MATH 101	Introduction to Analysis I	4.0
PHYS 170	Electricity and Motion	3.0
PHYS 171	Computational Lab for Electricity and Motion	1.0
PHYS 175	Light and Sound	3.0
PHYS 176	Computational Lab for Light and Sound	1.0
UNIV A101	The Drexel Experience	2.0
Required Arts and Humanities-students elect a minimum of 9.0 credits [**]		9.0
Required Social Science-students elect a minimum of 9.0 credits [***]		9.0
Free electives		24.0
	Art and Art History Requirements	
ARTH 102	History of Art II	3.0
ARTH 103	History of Art III	3.0
ARTH 300 [WI]	History of Modern Design	3.0
VSST 108	Design I for Media	3.0
VSST 109	Design II for Media	3.0
VSST 110	Introductory Drawing	3.0
VSST 111	Figure Drawing I	3.0
VSST 210	Painting Basics	3.0
	Media and Computer Science Requirements	
CS 171	Computer Programming I	3.0
FMTV 206	Audio Production and Post	3.0
	Digital Media Requirements	
ANIM 140	Computer Graphics Imagery I	3.0
ANIM 145	Realtime Visualization	3.0
ANIM 155	Previsualization for Animated Production	3.0
ANIM 211	Animation I	3.0
ANIM 212	Animation II	3.0
ANIM 215	History of Animation	3.0
ANIM 220	Digital Compositing I	3.0
DIGM 105	Overview of Digital Media	3.0
DIGM 350 [WI]	Digital Storytelling	3.0
DIGM 451 [WI]	Explorations in New Media	3.0
DIGM 475 [WI]	Seminar: The Future of Digital Media	3.0
DIGM 490	Digital Media Senior Project [†]	9.0
DIGM 491	Digital Media Senior Project Studio [†]	3.0
GMAP 260	Overview of Computer Gaming	3.0
IDM 100	Introduction to Web Development	3.0
	Virtual Production Requirements	
VRIM 100	Digital Tools for Immersive Media	3.0
VRIM 110	Digital Imaging for Immersive Media	3.0
VRIM 120	Immersive Production Lab I	3.0
VRIM 220	Immersive Production Lab II	3.0
VRIM 250	Professional Practices for Immersive Media	3.0
VRIM 310	Immersive Media Workshop I	3.0

VRIM 320	Immersive Media Workshop II	3.0
VRIM 388	Motion Capture I	3.0
Virtual Production Electives (Choose 4 of the following)		**12.0**
ANIM 141	Computer Graphics Imagery II	
ANIM 221	Digital Compositing II	
ANIM 248	Advanced Lighting	
ANIM 301	Procedural Animation	
ANIM 410	Advanced Compositing	
ANIM 411	Advanced Animation	
CS 172	Computer Programming II	
CS 265	Advanced Programming Tools and Techniques	
DIGM 308 [WI]	Digital Cultural Heritage	
GMAP 345	Game Development Foundations	
GMAP 367	Character Animation for Gaming	
VRIM 488	Motion Capture II	
VRIM I199	Independent Study in Immersive Media	
VRIM I299	Independent Study in Immersive Media	
VRIM I399	Independent Study in Immersive Media	
VRIM I499	Independent Study in Immersive Media	
VRIM T180	Special Topics in Immersive Media	
VRIM T280	Special Topics in Immersive Media	
VRIM T380	Special Topics in Immersive Media	
VRIM T480	Special Topics in Immersive Media	
Graduate Required Courses		
Digital Media Core		
DIGM 501	New Media: History, Theory and Methods	3.0
DIGM 510	Designing for Interactivity	3.0
DIGM 511	Research Methods for Digital Media	3.0
Digital Media Specialization		
Select 18.0 credits from the following list:		18.0
Game Design and Development		
DIGM 530	Game Design I	
DIGM 531	Game Design II	
GMAP 545	Game Development Foundations	
GMAP 547	Serious Games	
GMAP 548	Experimental Games	
GMAP 560	Game Design from the Player's Perspective	
Digital Media and Virtual Production		
ANIM 588	Spatial Data Capture	
DIGM 525	Animation I	
DIGM 526	Animation II	
DIGM 547	Organic Modeling	
DIGM 560	Advanced Concepts and Applications in Interactive 3D Environments	
DIGM 616	Immersive World Building	
UX Design and Digital Cultural Heritage		
DIGM 508	Digital Cultural Heritage	
DIGM 520	Interactivity I	
DIGM 521	Interactivity II	
General Digital Media		
DIGM 591	Digital Media Skills Intensive	
DIGM I599	Independent Study in Digital Media	
DIGM I699	Independent Study in Digital Media	
DIGM T580	Special Topics in Digital Media	
DIGM T680	Special Topics in Digital Media	
New Media Project		
DIGM 540	New Media Project ††	6.0
Thesis		
DIGM 680	Thesis Development	3.0
Directed Studies ‡		9.0
Total Credits		**232.0**

*	Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter.spring/summer, summer only) based on their co-op program (4-year, 5-year) and major.
	COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101
**	Select 9.0 credits from 100-499 level courses, including T380-480 in AFAS, ARTH, COM, ENGL, FMST, GST, HIST, IST, JWST, LANG, LING, MENA, MUSC, PHIL, PPE, PBHL, SCRP, THTR, TVST, WGST, WRIT, ARCH, DANC, INTR, PHTO, RELS, and VSCM.
***	Select 9.0 credits from 100-499 level courses, including T380-T480, in AFAS, ANTH, CJS, CS, ECON, ENSS, ENVS, PSI, PSY, PBHL, SOC, and WGST.
†	DIGM 490 and DIGM 491 are repeated 3 times each to complete the DIGM Capstone Senior Project sequence.
††	DIGM 540 is repeated two times.
‡	Select 9.0 credits from 500-600 level courses, including special topics (T580 and T680), in ANIM, CS, DIGM, DSRE, GMAP, IDM, and INFO.

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plan of Study

4+1, 1 co-op (Spring/Summer) (Accelerated program completed in 5 years)

Students complete undergraduate requirements in four years, then convert to graduate status in the fifth and final year.

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ENGL 101 or 111	3.0	ANIM 140	3.0	ANIM 145	3.0	VACATION	
PHYS 170	3.0	ENGL 102 or 112	3.0	CIVC 101	1.0		
PHYS 171	1.0	PHYS 175	3.0	DIGM 105	3.0		
UNIV A101 (Department Specific)	1.0	PHYS 176	1.0	ENGL 103 or 113	3.0		
VRIM 100	3.0	UNIV A101 (Program Specific)	1.0	MATH 101	4.0		
VRIM 120	3.0	VRIM 110	3.0	VSST 109	3.0		
VSST 110	3.0	VSST 108	3.0				
	17		**17**		**17**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ANIM 155	3.0	ANIM 212	3.0	ANIM 220	3.0	COM 230	3.0
ANIM 211	3.0	ANIM 215	3.0	ARTH 103	3.0	COOP 101*	1.0
CS 171	3.0	ARTH 102	3.0	VRIM 220	3.0	DIGM 350	3.0
GMAP 260	3.0	IDM 100	3.0	(UG) Free Elective	3.0	FMTV 206	3.0
VSST 210	3.0	VSST 111	3.0	(UG) Immersive Media Elective	3.0	VRIM 250	3.0
						(UG) Immersive Media Elective	3.0
	15		**15**		**15**		**16**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARTH 300	3.0	DIGM 475	3.0	COOP EXPERIENCE		COOP EXPERIENCE	
DIGM 451	3.0	VRIM 320	3.0				
VRIM 310	3.0	(UG) Arts and Humanities Elective	3.0				
(UG) Free Elective	3.0	(UG) Immersive Media Elective	3.0				

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
(UG) Immersive Media Elective	3.0	(UG) Social Science Elective	3.0				
DIGM 501	3.0	DIGM 510	3.0				
	18		**18**		**0**		**0**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
DIGM 490	3.0	DIGM 490	3.0	DIGM 490	3.0	Bachelor's Degree Awarded	
DIGM 491	1.0	DIGM 491	1.0	DIGM 491	1.0	Student classified as Graduate Student	
(UG) Arts and Humanities Elective	3.0	(UG) Free Electives	9.0	(UG) Arts and Humanities Elective	3.0		
(GR) Digital Media Specialization	3.0	(UG) Social Science Elective	3.0	(UG) Free Electives	6.0		
(UG) Free Elective	3.0	DIGM 540	3.0	DIGM 511	3.0		
(UG) Immersive Media Elective	3.0			DIGM 540	3.0		
(UG) Social Science Elective	3.0						
	19		**19**		**19**		**0**

Fifth Year

Fall	Credits	Winter	Credits	Spring	Credits
DIGM 591	2.0	DIGM 591	2.0	DIGM 591	2.0
DIGM 680	1.0	DIGM 680	1.0	DIGM 680	1.0
(GR) Digital Media Specialization	3.0	(GR) Digital Media Specialization	3.0	(GR) Digital Media Specialization	3.0
(GR) Directed Studies	3.0	(GR) Directed Studies	3.0	(GR) Directed Studies	3.0
	9		**9**		**9**

Total Credits 232

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

5+0 Co-terminal Accelerated Program, (Fall/Winter co-op)

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ENGL 101 or 111	3.0	ANIM 140	3.0	ANIM 145	3.0	VACATION	
PHYS 170	3.0	COOP 101*	1.0	CIVC 101	1.0		
PHYS 171	1.0	ENGL 102 or 112	3.0	DIGM 105	3.0		
UNIV A101 (Department Specific)	1.0	PHYS 175	1.0	ENGL 103 or 113	3.0		
VRIM 100	3.0	PHYS 176	1.0	MATH 101	4.0		
VRIM 120	3.0	UNIV A101 (Program Specific)	1.0	VSST 109	3.0		
VSST 110	3.0	VRIM 110	3.0	(UG) Free Elective	3.0		
		VSST 108	3.0				
	17		**18**		**20**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP EXPERIENCE		COOP EXPERIENCE		ANIM 155	3.0	ANIM 212	3.0
				ANIM 211	3.0	ANIM 215	3.0
				CS 171	3.0	ARTH 102	3.0
				GMAP 260	3.0	IDM 100	3.0
				VSST 210	3.0	VSST 111	3.0
				(UG) Free Elective	4.0	(UG) Free Elective	4.0
	0		**0**		**19**		**19**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP EXPERIENCE		COOP EXPERIENCE		ANIM 220	3.0	COM 230	3.0

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
				ARTH 103	3.0	DIGM 350	3.0
				VRIM 220	3.0	FMTV 206	3.0
				(UG) Free Elective	4.0	VRIM 250	3.0
				(UG) Immersive Media Elective	3.0	(UG) Immersive Media Elective	3.0
				DIGM 501	3.0	DIGM 510	3.0
						DIGM 591	2.0
	0		0		19		20

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP EXPERIENCE		COOP EXPERIENCE		ARTH 300	3.0	DIGM 475	3.0
				DIGM 451	3.0	VRIM 320	3.0
				VRIM 310	3.0	(UG) Arts and Humanities Elective	3.0
				(UG) Immersive Media Elective	3.0	(UG) Immersive Media Elective	3.0
				DIGM 511	3.0	DIGM 540	3.0
				DIGM 540	3.0	DIGM 591	2.0
				DIGM 591	2.0	(GR) Digital Media Specialization	3.0
	0		0		20		20

Fifth Year

Fall	Credits	Winter	Credits	Spring	Credits
DIGM 490	3.0	DIGM 490	3.0	DIGM 490	3.0
DIGM 491	1.0	DIGM 491	1.0	DIGM 491	1.0
(UG) Arts and Humanities Elective	3.0	(UG) Free Electives	6.0	(UG) Arts and Humanities Elective	3.0
(UG) Immersive Media Elective	3.0	(UG) Social Science Elective	3.0	(UG) Free Elective	3.0
(UG) Social Science Elective	3.0	DIGM 680	1.0	(UG) Social Science Elective	3.0
DIGM 680	1.0	(GR) Digital Media Specialization	3.0	DIGM 680	1.0
(GR) Digital Media Specialization	3.0	(GR) Directed Studies	3.0	(GR) Digital Media Specialization	3.0
(GR) Directed Studies	3.0			(GR) Directed Studies	3.0
	20		20		20

Total Credits 232

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

Entertainment & Arts Management BS / Business Administration MBA

Major: Entertainment & Arts Management and Business Administration
Degree Awarded: Bachelor of Science (BS) & Master of Business Administration (MBA)
Calendar Type: Quarter
Minimum Required Credits: 229.0
Co-op Options: One Co-op (Five years)
BS Classification of Instructional Programs (CIP) code: 50.1001
BS Standard Occupational Classification (SOC) code: 13-1011
MBA Classification of Instructional Programs (CIP) code: 52.0201
MBA Standard Occupational Classification (SOC) code: 11-1021

About the Program

Students majoring in Entertainment & Arts Management (4-year with co-op) may choose the BS in Entertainment & Arts Management/MBA program. This highly attractive program option combines study in the management of the arts and entertainment industries along with the MBA degree. The program is designed to allow students to complete both the bachelor's degree and the MBA in five years.

Additional Information

For more information about this major, visit the College's Entertainment & Arts Management (http://www.drexel.edu/westphal/academics/undergraduate/eam/) page.

Admission Requirements

Freshman applicants to the Entertainment & Arts Management program, with a combined Math and Critical Reading SAT score of 1300 and a 3.5 GPA, may apply for the BS/MBA program at the time of their initial application to Drexel University.

Current students may choose to apply to the program once they have achieved between 90.0 and 120.0 credits. All students who are accepted into the accelerated program must maintain a 3.2 GPA as an EAM undergraduate, and must submit two letters of recommendation and meet minimum GMAT requirements at the time of the application to the MBA program.

Degree Requirements

General Education Requirements		
Written Analysis and Communication Requirements		
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
Mathematics and Natural Sciences Requirements		
MATH 101	Introduction to Analysis I	4.0
MATH 102	Introduction to Analysis II	4.0
PHYS 170	Electricity and Motion	3.0
PHYS 171	Computational Lab for Electricity and Motion	1.0
PHYS 175	Light and Sound	3.0
PHYS 176	Computational Lab for Light and Sound	1.0
Arts/Humanities Requirements		
COM 230	Techniques of Speaking	3.0
Required Arts and Humanities-students elect a minimum of 6.0 credits [*]		6.0
Social Science Requirements		
Required Social Science-students elect a minimum of 9.0 credits [**]		9.0
University Seminar Requirements		
CIVC 101	Introduction to Civic Engagement	1.0
COOP 101	Career Management and Professional Development [***]	1.0
UNIV A101	The Drexel Experience	2.0
Free electives (39.0 credits total, 3.0 of which are satisfied by GR Free Electives) [†]		**36.0**
Entertainment and Arts Management Core Requirements		
ACCT 110	Accounting for Professionals	4.0
BLAW 201	Business Law I	4.0
EAM 130	Overview of Entertainment and Arts Management	3.0
EAM 200	Introduction to the Music Industry	3.0
EAM 211	Strategic Management for Entertainment and Arts Management	3.0
EAM 220	Law for Entertainment and Arts Management Managers	3.0
EAM 221	Copyrights and Trademarks	3.0
EAM 225	Financial Management for Entertainment & Arts Managers	3.0
EAM 308 [WI]	Entertainment Promotion and Branding	3.0
EAM 310	Social Media in Entertainment	3.0
EAM 315	Content Strategies for Digital Products	3.0
EAM 340	Artist Representation and Management	3.0
EAM 420	Arts, Culture and Society	3.0
EAM 422	Human Resources in the Creative Industries	3.0
EAM 490	Senior Seminar	3.0
ECON 201	Principles of Microeconomics	4.0
ECON 202	Principles of Macroeconomics	4.0
MIS 200	Management Information Systems	4.0
MKTG 201	Introduction to Marketing Management	4.0
ORGB 300 [WI]	Organizational Behavior	4.0
BS Concentration Requirements		**21.0**

BS Concentration Electives		**9.0**
MBA Requirements		
ACCT 510	Essentials of Financial Reporting	2.0
BLAW 510	Analyzing Legal Options in Decision-Making	2.0
BSAN 601	Business Analytics for Managers	3.0
ECON 601	Managerial Economics	3.0
FIN 601	Corporate Financial Management	3.0
MGMT 520	Strategy Analysis	2.0
MGMT 530	Managing and Leading the Total Enterprise	2.0
MGMT 770	MBA Capstone	2.0
MKTG 510	Marketing Strategy	2.0
ORGB 511	Leading in Dynamic Environments: A Personal, Relational, and Strategic Approach	3.0
POM 510	Operations and Supply Chain Management	2.0
Experiential Elective - Select one course		**3.0**
BUSN 615	Graduate Internship	
INTB 790	International Business Seminar and Residency	
MGMT 680	Leading for Innovation	
MGMT 715	Business Consulting	
MIS 652	Business Agility and IT	
ORGB 640	Negotiations for Leaders	
TAX 715	Tax Experiential Learning	
MBA Concentration Requirements		**9.0**
MBA Free Electives		**11.0**
Total Credits		**229.0**

*   Arts and Humanities courses: AFAS, ARBC, ARCH 141, ARCH 142, ARCH 143, ARTH, CHIN, COM, DANC 215, DANC 315, FMST, ENGL 111 - ENGL 492, FREN, GER, HBRW, HIST, GST, INTR 200, INTR 300 [WI] , ITAL, JAPN, JWST, KOR, LING, MENA, MUSC 130, MUSC 152, MUSC 231, MUSC 234, MUSC 236, MUSC 238, MUSC 323, MUSC 331, MUSC 333, MUSC 336, MUSC 338 [WI] , PBHL, PHIL, PHTO 275 [WI] , PHTO 276 [WI] , PHTO 452 [WI] , PPE, SCRP, SPAN, THTR 221 [WI] , THTR 222 [WI] , TVST, UNIV 241, VSCM 350 [WI] , WGST, WRIT

**   Social Science courses: AFAS, ANTH, CJS, ECON, ENSS, ENVS 260, PBHL, PSCI, PSY, SOC, WGST

***   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

        COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

†   BS/MBA students should take STAT 201 and FIN 301.

UG Concentration Requirements

A. Visual Arts Management Concentration

EAM 215 [WI]	Writing for Arts Managers	3.0
EAM 270	Audience Development for Arts	3.0
EAM 301	Gallery and Collection Management	3.0
EAM 302	Exhibition Design	3.0
EAM 312	Introduction to Fund Development for the Arts	3.0
EAM 313	Volunteer and Board Management	3.0
EAM 321	Box Office and Venue Management	3.0
Select three from the following:		**9.0**
ARTH 150	Building Skills in Object Analysis	
ARTH 314	Contemporary Art	
ARTH 331 [WI]	Global Material Culture	
OR		
DIGM 308 [WI]	Digital Cultural Heritage	
DIGM 451 [WI]	Explorations in New Media	
IDM 211	User Interface Design I	
Total Credits		**30.0**

B. Performing Arts Management Concentration

EAM 215 [WI]	Writing for Arts Managers	3.0
EAM 270	Audience Development for Arts	3.0
EAM 312	Introduction to Fund Development for the Arts	3.0
EAM 313	Volunteer and Board Management	3.0
EAM 321	Box Office and Venue Management	3.0
EAM 322	Performing Arts Touring	3.0
EAM 325	Producing for Live Entertainment	3.0
Select three from the following:		**9.0**
DANC 115	Introduction to Dance	
DANC 215	Dance Appreciation	
DANC 315	Twentieth Century Dance	
OR		
MUSC 121	Music Theory I	
MUSC 249	Digital Music Composition	
MUSC 331	World Musics	
OR		
THTR 121 [WI]	Dramatic Analysis	
THTR 240	Theatre Production I	
Select one of the following:		
THTR 221 [WI]	Theatre History I	
THTR 222 [WI]	Theatre History II	
THTR 231	Introduction to Musical Theatre	
THTR 232	Contemporary Musical Theatre	
Total Credits		**30.0**

C. Media Arts Management Concentration

DIGM 105	Overview of Digital Media	3.0
EAM 215 [WI]	Writing for Arts Managers	3.0
EAM 288	eSport Entertainment Management	3.0
EAM 295	Streaming Entertainment Management	3.0
EAM 338	Entertainment Enterprise	3.0
EAM 365	Media and Entertainment Business	3.0
FMTV 293	Introduction to Money and the Media	3.0
Select three from the following:		**9.0**
FMST 101	Film History I: Emergence	
FMST 102	Film History II: New Waves	
FMST 203	Film History III: Trends	
OR		
FMTV 110	Basic Cinematography	
FMTV 115	Basic Editing	
FMTV 120	Basic Sound	
FMTV 131	Multi-Camera Production	
OR		
FMTV 185	TV Industry	
FMTV 281	Producing for Television	
FMTV 282	Research, Sales and Programming	
OR		
IDM 100	Introduction to Web Development	
IDM 211	User Interface Design I	
IDM 221	Web Design I	
Total Credits		**30.0**

MBA Concentrations

Business Analytics Concentration

Required Courses

Select three of the following:		9.0
MIS 612	Aligning Information Systems and Business Strategies	
MIS 630	Inter-Active Decision Support Systems	

MIS 632	Database Analysis and Design for Business	
MKTG 606	Customer Analytics	
MKTG 607	Marketing Experiments	
OPR 601	Managerial Decision Models and Simulation	
POM 645	Supply Chain Analytics	
STAT 610	Statistics for Business Analytics	
STAT 632	Datamining for Managers	
STAT 645	Time Series Forecasting	
STAT T680	Special Topics in STAT	
Total Credits		**9.0**

Finance Concentration

Select three of the following:		9.0
FIN 602	Advanced Financial Management	
FIN 605	Business Valuation	
FIN 610	Corporate Governance	
FIN 615	Environmental and Social Issues in Finance	
FIN 622	Financial Institutions & Markets	
FIN 624	Risk Management	
FIN 626	Investment Management	
FIN 635	Entrepreneurial Finance	
FIN 639	FinTech	
FIN 645	Behavioral Finance	
FIN 648	International Financial Management	
FIN T680	Special Topics in Finance	
Total Credits		**9.0**

Marketing Concentration

Select three of the following, of which two MUST be from MKTG (any course with MKTG subject code and course number between 600-699):		9.0
MKTG course 600-699		
BLAW T680	Special Topics in Legal Studies	
ECON 540	Intro to Econometrics and Data Analysis	
ECON 610	Microeconomics	
INTB 620	International Business Management	
MGMT 655	Knowledge Management	
MIS 624	Systems Analysis & Design	
MIS 632	Database Analysis and Design for Business	
OPR 601	Managerial Decision Models and Simulation	
POM 610	Supply Chain Management I	
STAT 634	Quality & Six-Sigma	
STAT 645	Time Series Forecasting	
Total Credits		**9.0**

Strategic Technology & Innovation Management Concentration

Required Courses		
MGMT 602	Innovation Management	3.0
MGMT 603	Technology Strategy	3.0
Electives		
Select one of the following:		3.0
ECON 650	Business & Economic Strategy: Game Theory & Applications	
MGMT 600	Introduction to Change Management: An Integration of Macro and Micro Perspectives	
MGMT 604	Strategic Change Management	
MGMT 640	Strategic Human Resource Management	
MGMT 655	Knowledge Management	
MGMT 676	Sustainability and Value Creation	
MGMT 680	Leading for Innovation	
MGMT 686	Strategy Implementation	
MGMT 690	Change Management Experiential Capstone	
MIS 641	MIS Policy and Strategy	
MIS 652	Business Agility and IT	

MKTG 638	New Product Planning, Strategy, and Development	
OPR 601	Managerial Decision Models and Simulation	
ORGB 602	Leading and Executing Change	
ORGB 640	Negotiations for Leaders	
STAT 645	Time Series Forecasting	
Total Credits		**9.0**

Supply Chain Management & Logistics Concentration

Select three of the following:		9.0
MGMT 660	Leading the Digital Supply Chain	
MIS 624	Systems Analysis & Design	
OPR 601	Managerial Decision Models and Simulation	
POM 610	Supply Chain Management I	
POM 615	Supply Chain Management II	
POM 624	Management of Service Firms	
POM 630	Transportation & Logistics Management	
POM 642	Sustainable Supply Chain Management and Logistics	
POM 644	Revenue Management	
POM 645	Supply Chain Analytics	
POM T680	Special Topics in POM	
STAT 634	Quality & Six-Sigma	
STAT 645	Time Series Forecasting	
Total Credits		**9.0**

Customized Concentration

Students can self customize a concentration with coordination between their program manager and with faculty guidance. Please see your program manager/academic advisor for further information.	9.0
MBA Graduate credits include courses in Accounting (ACCT), Statistics (STAT), Economics (ECON), Finance (FIN), General Business (BUSN), Interdisciplinary Business (INDS), International Business (INTB), Legal Studies (BLAW), Management (MGMT), Management Information Systems (MIS), Marketing (MKTG), Operations Research (OPR), Organizational Behavior (ORGB), Production Operations Management (POM), Sport Management (SMT) or Taxation (TAX), with a course number range between 500-799 or other approved course at the graduate level.	
Total Credits	**9.0**

Corporate Sustainability and Social Impact Concentration

Choose three from the following:		**9.0**
BLAW 620	Legal Aspects of Employment	
FIN 610	Corporate Governance	
FIN 615	Environmental and Social Issues in Finance	
INDS T680	Special Topics in Interdisciplinary Business	
MGMT 670	Business Ethics	
MGMT 676	Sustainability and Value Creation	
MKTG 654	Corporate Brand & Reputation Management	
ORGB T680	Special Topics in ORGB	
POM 642	Sustainable Supply Chain Management and Logistics	
SMT 606	Social Issues in Sport	

Effective Leadership Concentration

Choose three of the following:		**9.0**
MGMT 660	Leading the Digital Supply Chain	
MGMT 670	Business Ethics	
MGMT 676	Sustainability and Value Creation	
ORGB 620	Leading Virtual Teams	
ORGB 640	Negotiations for Leaders	

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plan of Study

Visual Arts Management Concentration

4+1, 1 co-op (Accelerated program completed in 5 years)

Students complete undergraduate requirements in four years, then convert to graduate status in the fifth and final year.

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
EAM 130	3.0	EAM 200	3.0	ACCT 110	4.0	VACATION	
ENGL 101 or 111	3.0	ENGL 102 or 112	3.0	CIVC 101	1.0		
MATH 101	4.0	MATH 102	4.0	EAM 211	3.0		
PHYS 170	3.0	PHYS 175	3.0	ENGL 103 or 113	3.0		
PHYS 171	1.0	PHYS 176	1.0	(UG) Arts and Humanities Elective	3.0		
UNIV A101	1.0	UNIV A101	1.0	(UG) Social Science Elective	3.0		
	15		15		17		0

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
BLAW 201	4.0	EAM 220	3.0	COM 230	3.0	COOP EXPERIENCE	
COOP 101	1.0	EAM 225	3.0	EAM 221	3.0		
EAM 215	3.0	EAM 270	3.0	EAM 301	3.0		
ECON 201	4.0	ECON 202	4.0	MKTG 201	4.0		
(UG) Concentration Elective	3.0	(UG) Arts and Humanities Elective	3.0	(UG) Concentration Elective	3.0		
(UG) Social Science Elective	3.0						
	18		16		16		0

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
EAM 308	3.0	EAM 302	3.0	EAM 313	3.0	COOP EXPERIENCE	
EAM 321	3.0	EAM 310	3.0	EAM 315	3.0		
EAM 340	3.0	EAM 312	3.0	ORGB 300	4.0		
MIS 200	4.0	(UG) Concentration Elective	3.0	(UG) Free Electives	6.0		
(UG) Free Elective*	3.0	(UG) Social Science Elective	3.0		3.0		
	16		15		16		0

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
EAM 422	3.0	(UG) Free Electives	9.0	EAM 420	3.0	Convert to Graduate Status	
(UG) Free Electives	9.0	BSAN 601	2.0	EAM 490	3.0		
ACCT 510	2.0	ORGB 511	2.0	(UG) Free Electives	3.0		
MGMT 530	2.0	(GR) Elective (counts as UG Free Elective)	3.0	MGMT 520	2.0		
MKTG 510	2.0						
	18		18		17		0

Fifth Year

Fall	Credits	Winter	Credits	Spring	Credits
FIN 601	3.0	ECON 601	3.0	MGMT 770	2.0
POM 510	2.0	BLAW 510	2.0	(GR) Concentration Requirements	6.0
(GR) Electives	5.0	(GR) Concentration Requirement	3.0	(GR) Experiential Elective	3.0

(GR) Elective	3.0	
10	**11**	**11**

Total Credits 229

*   BS/MBA students should take STAT 201 and FIN 301.

Performing Arts Management Concentration

4+1, 1 co-op (Accelerated program completed in 5 years)

Students complete undergraduate requirements in four years, then convert to graduate status in the fifth and final year.

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
EAM 130	3.0	EAM 200	3.0	ACCT 110	4.0	VACATION	
ENGL 101 or 111	3.0	ENGL 102 or 112	3.0	CIVC 101	1.0		
PHYS 170	3.0	MATH 102	4.0	EAM 211	3.0		
PHYS 171	1.0	PHYS 175	3.0	ENGL 103 or 113	3.0		
MATH 101	4.0	PHYS 176	1.0	(UG) Arts and Humanities Elective	3.0		
UNIV A101	1.0	UNIV A101	1.0	(UG) Social Science Elective	3.0		
	15		**15**		**17**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
BLAW 201	4.0	EAM 220	3.0	COM 230	3.0	COOP EXPERIENCE	
COOP 101	1.0	EAM 225	3.0	EAM 221	3.0		
EAM 215	3.0	EAM 322	3.0	EAM 270	3.0		
ECON 201	4.0	ECON 202	4.0	MKTG 201	4.0		
(UG) Concentration Elective	3.0	(UG) Arts and Humanities Elective	3.0	(UG) Concentration Elective	3.0		
(UG) Social Science Elective	3.0						
	18		**16**		**16**		**0**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
EAM 308	3.0	EAM 310	3.0	EAM 313	3.0	COOP EXPERIENCE	
EAM 321	3.0	EAM 312	3.0	EAM 315	3.0		
EAM 340	3.0	EAM 325	3.0	ORGB 300	3.0		
MIS 200	4.0	(UG) Concentration Elective	3.0	(UG) Free Electives	6.0		
(UG) Free Elective	3.0	(UG) Social Science Elective	3.0				
	16		**15**		**16**		**0**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
EAM 422	3.0	(UG) Free Electives	9.0	EAM 420	3.0	Convert to Graduate Status	
(UG) Free Electives	9.0	BSAN 601	2.0	EAM 490	3.0		
ACCT 510	2.0	ORGB 511	2.0	(UG) Free Electives	9.0		
MGMT 530	2.0	(GR) Elective (counts as UG Free Elective)	3.0	MGMT 520	2.0		
MKTG 510	2.0						
	18		**18**		**17**		**0**

Fifth Year

Fall	Credits	Winter	Credits	Spring	Credits
FIN 601	3.0	BLAW 510	2.0	MGMT 770	2.0
POM 510	2.0	ECON 601	3.0	(GR) Concentration Requirements	6.0
(GR) Electives	5.0	(GR) Concentration Requirement	3.0	(GR) Experiential Elective	3.0

(GR) Elective	3.0			
10		**11**		**11**

Total Credits 229

Media Arts Management Concentration

4+1, 1 co-op (Accelerated program completed in 5 years)

Students complete undergraduate requirements in four years, then convert to graduate status in the fifth and final year.

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
EAM 130	3.0	EAM 200	3.0	ACCT 110	4.0	VACATION	
ENGL 101 or 111	3.0	ENGL 102 or 112	3.0	CIVC 101	1.0		
MATH 101	4.0	MATH 102	4.0	EAM 211	3.0		
PHYS 170	3.0	PHYS 175	3.0	ENGL 103 or 113	3.0		
PHYS 171	1.0	PHYS 176	1.0	(UG) Arts and Humanities Elective	3.0		
UNIV A101	1.0	UNIV A101	1.0	(UG) Social Science Elective	3.0		
	15		**15**		**17**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
BLAW 201	4.0	EAM 220	3.0	COM 230	3.0	COOP EXPERIENCE	
COOP 101	1.0	EAM 225	3.0	EAM 215	3.0		
DIGM 105	3.0	ECON 202	4.0	EAM 221	4.0		
ECON 201	4.0	FMTV 293	3.0	MKTG 201	4.0		
(UG) Concentration Elective	3.0	(UG) Arts and Humanities Elective	3.0	(UG) Concentration Elective	3.0		
(UG) Social Science Elective	3.0						
	18		**16**		**16**		**0**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
EAM 288	3.0	EAM 295	3.0	EAM 315	3.0	COOP EXPERIENCE	
EAM 308	3.0	EAM 310	3.0	EAM 338	3.0		
EAM 340	3.0	EAM 365	3.0	ORGB 300	4.0		
MIS 200	4.0	(UG) Concentration Elective	3.0	(UG) Free Electives	6.0		
(UG) Free Elective	3.0	(UG) Social Science Elective	3.0				
	16		**15**		**16**		**0**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
EAM 422	3.0	(UG) Free Electives	9.0	EAM 420	3.0	Convert to Graduate Status	
(UG) Free Electives	9.0	BSAN 601	2.0	EAM 490	3.0		
ACCT 510	2.0	ORGB 511	2.0	(UG) Free Electives	3.0		
MGMT 530	2.0	(GR) Elective (counts as UG Free Elective)	2.0	MGMT 520	3.0		
MKTG 510	2.0						
	18		**18**		**17**		**0**

Fifth Year

Fall	Credits	Winter	Credits	Spring	Credits
FIN 601	3.0	BLAW 510	2.0	MGMT 770	2.0
POM 510	2.0	ECON 601	3.0	(GR) Concentration Requirements	6.0
(GR) Electives		(GR) Concentration Requirement	5.0	(GR) Experiential Elective	3.0
		(GR) Elective			3.0
	10		**11**		**11**

Total Credits 229

Game Design and Production BS / Digital Media MS

Major: Game Design and Production & Digital Media
Degree Awarded: Bachelor of Science (BS) & Master of Science (MS)
Calendar Type: Quarter
Minimum Required Credits: 236.0
Co-op Options: One Co-op (Five years); Three Co-op (Five years)
BS Classification of Instructional Programs (CIP) code: 11.0899
BS Standard Occupational Classification (SOC) code: 27-1014; 25-1199
MS Classification of Instructional Programs (CIP) code: 11.0801
MS Standard Occupational Classification (SOC) code: 25-1134

About the Program

The program is a natural extension of our undergraduate program in Game Design and Production and challenges students to push beyond what's known and into what's possible. It combines research with applicable skills in 21st century media applications and offers a mix of academic coursework and project-related activities in advanced digital design, including 3-D modeling, animation, interactivity, gaming, and digital media history, theory, and methods.

Additional Information

To find out more about this major, visit the Westphal College's Game Design & Production Major (https://drexel.edu/westphal/academics/undergraduate/GDAP/) page.

Admission Requirements

Students who wish to enter the accelerated program are required to have a minimum GPA of 3.5 and between 70.0 and 120.0 credits of completed undergraduate coursework.

Acceptance into the accelerated program is decided by the program director of the Digital Media MS program in consultation with the undergraduate program director in Game Design and Production, as well as the Department's Graduate Admissions Committee.

Main criteria for acceptance is an evaluation of the student's prior academic performance and the student's likelihood of success within the program.

Degree Requirements

General Education Requirements

CIVC 101	Introduction to Civic Engagement	1.0
COM 230	Techniques of Speaking	3.0
COOP 101	Career Management and Professional Development [*]	1.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
MATH 101	Introduction to Analysis I	4.0
PHYS 170	Electricity and Motion	3.0
PHYS 171	Computational Lab for Electricity and Motion	1.0
PHYS 175	Light and Sound	3.0
PHYS 176	Computational Lab for Light and Sound	1.0
UNIV A101	The Drexel Experience	2.0
Arts and humanities elective [**]		3.0
History (HIST) elective (100-499)		4.0
Literature (ENGL) elective (100-499)		3.0
Social sciences electives [***]		9.0
Free electives		23.0
Art and Art History Requirements		
ARTH 102	History of Art II	3.0
ARTH 103	History of Art III	3.0
ARTH 300 [WI]	History of Modern Design	3.0
VSST 108	Design I for Media	3.0
VSST 109	Design II for Media	3.0
VSST 110	Introductory Drawing	3.0

VSST 111	Figure Drawing I	3.0
Media and Computer Science Requirements		
CS 171	Computer Programming I	3.0
FMTV 110	Basic Cinematography	3.0
FMTV 206	Audio Production and Post	3.0
GMAP 231	Scripting for Game Design	3.0
SCRP 270 [WI]	Screenwriting I	3.0
Digital Media Core Requirements		
ANIM 140	Computer Graphics Imagery I	3.0
ANIM 145	Realtime Visualization	3.0
ANIM 211	Animation I	3.0
DIGM 105	Overview of Digital Media	3.0
DIGM 350 [WI]	Digital Storytelling	3.0
DIGM 451 [WI]	Explorations in New Media	3.0
DIGM 475 [WI]	Seminar: The Future of Digital Media	3.0
DIGM 490	Digital Media Senior Project [†]	9.0
DIGM 491	Digital Media Senior Project Studio [†]	3.0
GMAP 260	Overview of Computer Gaming	3.0
PROD 215	Design Thinking in Product Design	4.0
Gaming Requirements		
GMAP 101	Game Design Lab I	3.0
GMAP 102	Game Design Lab II	3.0
GMAP 121	Game Playtesting (Taken two times.)	2.0
GMAP 123	Basic Portfolio	1.0
GMAP 211	Game User Interface Design	3.0
GMAP 246	Advanced Portfolio (Taken three times.)	3.0
GMAP 301	Game History	3.0
GMAP 345	Game Development Foundations	3.0
GMAP 367	Character Animation for Gaming	3.0
GMAP 377	Game Development: Workshop I	3.0
GMAP 378	Game Development: Workshop II	3.0
GMAP 395	Advanced Game Design and Production	3.0
Select four of the following Gaming electives		12.0
ANIM 212	Animation II	
ENTP 105	Entrepreneurial Thinking	
GMAP 341	Serious Games	
GMAP 342	Experimental Games	
GMAP 360	Game Design from the Player's Perspective	
GMAP 368	Artificial Intelligence in Gaming	
GMAP 369	Mobile Game Development	
GMAP T180	Special Topics in Game Art and Production	
GMAP T280	Special Topics in Game Art and Production	
GMAP T380	Special Topics in Game Art and Production	
GMAP T480	Special Topics in Game Art and Production	
SCRP 290	Game: Universe & Story	
SCRP 295	Future of Narrative Games	
VRIM 388	Motion Capture I	
VRIM 488	Motion Capture II	
Required Graduate Courses		
Digital Media Core		
DIGM 501	New Media: History, Theory and Methods	3.0
DIGM 510	Designing for Interactivity	3.0
DIGM 511	Research Methods for Digital Media	3.0
Digital Media Specialization		**18.0**
Select 18.0 credits from the following list:		
Game Design and Development		
DIGM 530	Game Design I	
DIGM 531	Game Design II	
GMAP 545	Game Development Foundations	
GMAP 547	Serious Games	
GMAP 548	Experimental Games	
GMAP 560	Game Design from the Player's Perspective	

Animation and Immersive Media		
ANIM 588	Spatial Data Capture	
DIGM 525	Animation I	
DIGM 526	Animation II	
DIGM 547	Organic Modeling	
DIGM 560	Advanced Concepts and Applications in Interactive 3D Environments	
DIGM 616	Immersive World Building	
UX Design and Digital Cultural Heritage		
DIGM 508	Digital Cultural Heritage	
DIGM 520	Interactivity I	
DIGM 521	Interactivity II	
General Digital Media		
DIGM 591	Digital Media Skills Intensive	
DIGM I599	Independent Study in Digital Media	
DIGM I699	Independent Study in Digital Media	
DIGM T580	Special Topics in Digital Media	
DIGM T680	Special Topics in Digital Media	
New Media Project		
DIGM 540	New Media Project ††	6.0
Thesis		
DIGM 680	Thesis Development	3.0
Directed Studies †††		**9.0**
Total Credits		**236.0**

*	Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.
	COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.
**	Select from 100-499 level courses, including T380-T480 in AFAS, ARCH, ARTH, COM, DANC, ENGL, FMST, GST, HIST, INTR, IST, JWST, LANG, LING, MENA, MUSC, PHIL, PHTO, PPE, PBHL, RELS, SCRP, THTR, TVST, VSCM, WGST, WRIT.
***	Select from 100-499 level courses, including T380-T480, in AFAS, ANTH, CJS, CS, ECON, ENSS, ENVS, PSCI, PSY, PBHL, SOC, WGST.
†	DIGM 490 and DIGM 491 are repeated three times each to complete the DIGM Capstone Senior Project sequence.
††	DIGM 540 is repeated two times.
†††	Select from 500-600 level courses, including I599, I699, T580 and T680, in ANIM, CS, DIGM, DSRE, GMAP, IDM, INFO.

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plan of Study

5 year, 1 co-op (Fall/Winter)

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ENGL 101 or 111	3.0	ANIM 140	3.0	ANIM 145	3.0	VACATION	
CS 171	3.0	ENGL 102 or 112	3.0	CIVC 101	1.0		
GMAP 101	3.0	GMAP 102	3.0	ENGL 103 or 113	3.0		
PHYS 170	3.0	GMAP 123	1.0	FMTV 110	3.0		
PHYS 171	1.0	PHYS 175	3.0	GMAP 121	1.0		
UNIV A101	1.0	PHYS 176	1.0	MATH 101	4.0		
VSST 110	3.0	UNIV A101	1.0	VSST 109	3.0		

				Credits
VSST 108	3.0			
17		**18**	**18**	**0**

Second Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
ANIM 211	3.0 ARTH 102	3.0 COM 230	3.0 ARTH 103	3.0
DIGM 105	3.0 COOP 101 [*]	1.0 GMAP 246	1.0 DIGM 350	3.0
GMAP 211	3.0 GMAP 231	3.0 GMAP 345	3.0 FMTV 206	3.0
GMAP 260	3.0 GMAP 367	3.0 SCRP 270	3.0 GMAP 395	3.0
GMAP 301	3.0 PROD 215	4.0 (UG) Free Elective	3.0 (UG) Gaming Elective	3.0
	VSST 111	3.0 (UG) Gaming Elective	3.0	
15		**17**	**16**	**15**

Third Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
COOP EXPERIENCE	COOP EXPERIENCE	ARTH 300	3.0 DIGM 475	3.0
		DIGM 451	3.0 GMAP 121	1.0
		GMAP 246	1.0 GMAP 378	3.0
		GMAP 377	3.0 (UG) Free Elective	3.0
		(UG) Arts and Humanities Elective	3.0 (UG) Gaming Elective	3.0
		(UG) Gaming Elective	3.0 (UG) Social Science Elective	3.0
		DIGM 501	3.0 DIGM 510	3.0
0		**0**	**19**	**19**

Fourth Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
DIGM 490	3.0 DIGM 490	3.0 DIGM 490	3.0 Student converts to Graduate status	
DIGM 491	1.0 DIGM 491	1.0 DIGM 491	1.0	
(UG) Free Electives	6.0 GMAP 246	1.0 (UG) Free Electives	5.0	
(UG) Literature (ENGL) Elective	3.0 (UG) Free Electives	6.0 (UG) History (HIST) Elective	4.0	
(UG) Social Science Elective	3.0 (UG) Social Science Elective	3.0 DIGM 511	3.0	
(GR) Digital Media Specialization	3.0 DIGM 540	3.0 DIGM 540	3.0	
19		**17**	**19**	**0**

Fifth Year

Fall	Credits Winter	Credits Spring	Credits	
DIGM 591	2.0 DIGM 591	2.0 DIGM 591	2.0	
DIGM 680	1.0 DIGM 680	1.0 DIGM 680	1.0	
(GR) Digital Media Specialization	3.0 (GR) Digital Media Specialization	3.0 (GR) Digital Media Specialization	3.0	
(GR) Directed Studies	3.0 (GR) Directed Studies	3.0 (GR) Directed Studies	3.0	
9		**9**	**9**	

Total Credits 236

[*] Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.
COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

5 year, 1 co-op (Spring/Summer)

First Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
ENGL 101 or 111	3.0 ANIM 140	3.0 ANIM 145	3.0 VACATION	
CS 171	3.0 ENGL 102 or 112	3.0 CIVC 101	1.0	
GMAP 101	3.0 GMAP 102	3.0 ENGL 103 or 113	3.0	
PHYS 170	3.0 GMAP 123	1.0 FMTV 110	3.0	
PHYS 171	1.0 PHYS 175	3.0 GMAP 121	1.0	
UNIV A101	1.0 PHYS 176	1.0 MATH 101	4.0	
VSST 110	3.0 UNIV A101	1.0 VSST 109	3.0	

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
		VSST 108	3.0				
17		**18**		**18**		**0**	

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ANIM 211	3.0	ARTH 102	3.0	COM 230	3.0	ARTH 103	3.0
DIGM 105	3.0	GMAP 231	3.0	GMAP 246	1.0	COOP 101*	1.0
GMAP 211	3.0	GMAP 367	3.0	GMAP 345	3.0	DIGM 350	3.0
GMAP 260	3.0	PROD 215	4.0	SCRP 270	4.0	FMTV 206	3.0
GMAP 301	3.0	VSST 111	3.0	(UG) Free Elective	3.0	GMAP 395	3.0
				(UG) Gaming Elective		(UG) Gaming Elective	3.0
15		**16**		**16**		**16**	

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARTH 300	3.0	DIGM 475	3.0	COOP EXPERIENCE		COOP EXPERIENCE	
DIGM 451	3.0	GMAP 121	1.0				
GMAP 246	1.0	GMAP 378	3.0				
GMAP 377	3.0	(UG) Free Elective	3.0				
(UG) Arts and Humanities Elective	3.0	(UG) Gaming Elective	3.0				
(UG) Gaming Elective	3.0	(UG) Social Science Elective	3.0				
DIGM 501	3.0	DIGM 510	3.0				
19		**19**		**0**		**0**	

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
DIGM 490	3.0	DIGM 491	1.0	DIGM 490	3.0	Student converts to Graduate status	
DIGM 491	1.0	DIGM 490	3.0	DIGM 491	1.0		
(UG) Digital Media Specialization	3.0	GMAP 246	1.0	(UG) Free Electives	5.0		
(UG) Free Electives	6.0	(UG) Free Electives	6.0	(UG) History (HIST) Elective	4.0		
(UG) Literature (ENGL) Elective	3.0	(UG) Social Science Elective	3.0	DIGM 511	3.0		
(UG) Social Science Elective	3.0	DIGM 540	3.0	DIGM 540	3.0		
19		**17**		**19**		**0**	

Fifth Year

Fall	Credits	Winter	Credits	Spring	Credits
DIGM 591	2.0	DIGM 591	2.0	DIGM 591	2.0
DIGM 680	1.0	DIGM 680	1.0	DIGM 680	1.0
(GR) Digital Media Specialization	3.0	(GR) Digital Media Specialization	3.0	(GR) Digital Media Specialization	3.0
(GR) Directed Studies	3.0	(GR) Directed Studies	3.0	(GR) Directed Studies	3.0
9		**9**		**9**	

Total Credits 236

* Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.
COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

5 year, 3 co-op, Co-terminal Accelerated Program (Fall/Winter)

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
CS 171	3.0	ANIM 140	3.0	ANIM 145	3.0	VACATION	
ENGL 101 or 111	3.0	COOP 101*	1.0	CIVC 101	1.0		
GMAP 101	3.0	ENGL 102 or 112	3.0	ENGL 103 or 113	3.0		
PHYS 170	3.0	GMAP 102	3.0	FMTV 110	3.0		
PHYS 171	1.0	GMAP 123	1.0	GMAP 121	1.0		
UNIV A101	1.0	PHYS 175	1.0	MATH 101	4.0		
VSST 110	3.0	PHYS 176	1.0	VSST 109	1.0		

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
		UNIV A101	1.0	(UG) Free Elective	2.0		
		VSST 108	3.0				
	17		**19**		**20**		**0**
Second Year							
Fall	**Credits**	**Winter**	**Credits**	**Spring**	**Credits**	**Summer**	**Credits**
COOP EXPERIENCE		COOP EXPERIENCE		ANIM 211	3.0	ARTH 102	3.0
				DIGM 105	3.0	GMAP 231	3.0
				GMAP 211	3.0	GMAP 367	3.0
				GMAP 246	1.0	PROD 215	4.0
				GMAP 260	3.0	VSST 111	3.0
				GMAP 301	3.0	(UG) Free Elective	4.0
				(UG) Free Elective	4.0		
	0		**0**		**20**		**20**
Third Year							
Fall	**Credits**	**Winter**	**Credits**	**Spring**	**Credits**	**Summer**	**Credits**
COOP EXPERIENCE		COOP EXPERIENCE		COM 230	3.0	ARTH 103	3.0
				GMAP 246	1.0	DIGM 350	3.0
				GMAP 345	3.0	FMTV 206	3.0
				SCRP 270	3.0	GMAP 395	3.0
				(UG) Free Elective	4.0	(UG) Gaming Elective	3.0
				(UG) Gaming Elective	3.0	DIGM 510	3.0
				DIGM 501	3.0	DIGM 591	2.0
	0		**0**		**20**		**20**
Fourth Year							
Fall	**Credits**	**Winter**	**Credits**	**Spring**	**Credits**	**Summer**	**Credits**
COOP EXPERIENCE		COOP EXPERIENCE		ARTH 300	3.0	DIGM 475	3.0
				DIGM 451	3.0	GMAP 121	1.0
				GMAP 377	3.0	GMAP 378	3.0
				(UG) Gaming Elective	3.0	(UG) Free Elective	2.0
				DIGM 511	3.0	(UG) Gaming Elective	3.0
				DIGM 540	3.0	DIGM 540	3.0
				DIGM 591	2.0	DIGM 591	2.0
						(GR) Digital Media Specialization	3.0
	0		**0**		**20**		**20**

Fifth Year

Fall	Credits	Winter	Credits	Spring	Credits
DIGM 490		DIGM 490	3.0	DIGM 490	3.0
DIGM 491		DIGM 491	1.0	DIGM 491	1.0
(UG) Arts and Humanities Elective		GMAP 246	3.0	(UG) Free electives	1.0
(UG) Literature (ENGL) Elective		(UG) Free Electives	3.0	(UG) History (HIST) Elective	2.0
(UG) Social Science Elective		(UG) Social Science Electives	3.0	DIGM 680	6.0
DIGM 680		DIGM 680	1.0	(GR) Digital Media Specialization	1.0
(GR) Digital Media Specialization		(GR) Digital Media Specialization	3.0	(GR) Directed Studies	3.0
(GR) Directed Studies		(GR) Directed Studies	3.0		3.0
	20		**20**		**20**

Total Credits 236

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.
COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

5 year, 3 co-op, Co-terminal Accelerated Program (Spring/Summer)

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ENGL 101 or 111	3.0	ANIM 140	3.0	ANIM 145	3.0	VACATION	
CS 171	3.0	ENGL 102 or 112	3.0	CIVC 101	1.0		
GMAP 101	3.0	GMAP 102	3.0	COOP 101[*]	1.0		
PHYS 170	3.0	GMAP 123	1.0	ENGL 103 or 113	3.0		
PHYS 171	1.0	PHYS 175	3.0	FMTV 110	3.0		
UNIV A101	1.0	PHYS 176	1.0	GMAP 121	1.0		
VSST 110	3.0	UNIV A101	1.0	MATH 101	4.0		
		VSST 108	3.0	VSST 109	3.0		
		(UG) Free Elective	2.0				
	17		**20**		**19**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ANIM 211	3.0	ARTH 102	3.0	COOP EXPERIENCE		COOP EXPERIENCE	
DIGM 105	3.0	GMAP 231	3.0				
GMAP 211	3.0	GMAP 367	3.0				
GMAP 246	1.0	PROD 215	4.0				
GMAP 260	3.0	VSST 111	3.0				
GMAP 301	3.0	(UG) Free Elective	4.0				
(UG) Free Elective	4.0						
	20		**20**		**0**		**0**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COM 230	3.0	ARTH 103	3.0	COOP EXPERIENCE		COOP EXPERIENCE	
GMAP 246	1.0	DIGM 350	3.0				
GMAP 345	3.0	FMTV 206	3.0				
SCRP 270	3.0	GMAP 395	3.0				
(UG) Free Elective	4.0	(UG) Gaming Elective	3.0				
(UG) Gaming Elective	3.0	DIGM 510	3.0				
DIGM 501	3.0	DIGM 591	2.0				
	20		**20**		**0**		**0**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARTH 300	3.0	DIGM 475	3.0	COOP EXPERIENCE		COOP EXPERIENCE	
DIGM 451	3.0	GMAP 121	1.0				
GMAP 377	3.0	GMAP 378	3.0				
(UG) Gaming Elective	3.0	(UG) Free Elective	2.0				
DIGM 511	3.0	(UG) Gaming Elective	3.0				
DIGM 540	3.0	DIGM 540	3.0				
DIGM 591	2.0	DIGM 591	2.0				
		(GR) Digital Media Specialization	3.0				
	20		**20**		**0**		**0**

Fifth Year

Fall	Credits	Winter	Credits	Spring	Credits
DIGM 490	3.0	DIGM 490	3.0	DIGM 490	3.0
DIGM 491	1.0	DIGM 491	1.0	DIGM 491	1.0
(UG) Arts and Humanities Elective	3.0	GMAP 246	1.0	(UG) Free electives	5.0
(UG) Literature (ENGL) Elective	3.0	(UG) Free Electives	2.0	(UG) History (HIST) Elective	4.0
(UG) Social Science Elective	3.0	(UG) Social Science Electives	6.0	DIGM 680	1.0
DIGM 680	1.0	DIGM 680	1.0	(GR) Digital Media Specialization	3.0
(GR) Digital Media Specialization	3.0	(GR) Digital Media Specialization	3.0	(GR) Directed Studies	3.0

(GR) Directed Studies	3.0 (GR) Directed Studies	3.0	
	20	**20**	**20**

Total Credits 236

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

Interior Design BS / Design Research MS

Major: Interior Design and Design Research
Degrees Awarded: Bachelor of Science (BS) and Master of Science (MS)
Calendar Type: Quarter
Minimum Required Credits: 229.0
Co-op Options: One Co-op (Five years)
Classification of Instructional Programs (CIP) code: 50.0408
Standard Occupational Classification (SOC) code: 27-1025

About the Program

This five-year path allows students to graduate with a Bachelor of Science in Interior Design, enhanced by a Master of Science in Design Research. Preparing them for a human-centered technology-driven professional career.

The undergraduate Interior Design program explores the behavioral, technological, environmental and aesthetic aspects of interior design within the context of increasingly more complex design projects. Combined with art and art history and general education requirements, a core of interior design courses creates a unique education at the forefront of design. Through academics grounded in problem-solving design studios, cooperative employment, and a dedicated faculty, the Interior Design program prepares students for leadership positions in the industry. The Interior Design program is consistently ranked among the top programs in the country, and in the survey by Design Intelligence of "America's Best Design Schools."

The BS interior design program is CIDA (Council for Interior Design Accreditation) and NASAD (National Association of Schools of Art & Design) accredited.

The Design Research Masters program creates an arena for advanced students to explore and enhance their skills in design research areas that include Technology, Environmental Design and Health, including Community Based Design. Driven by the interdisciplinary nature of design, the program addresses the future in response to the emerging and complex designed environment. Designers operate in a world of increasing intricacy; this degree gives candidates a greater depth of knowledge and experience in topics relevant to present and future challenges in design.

The program focuses on providing a forum for students to pursue paths of inquiry and investigation within Design, Technology, Environmental Design and Health. This flexible program operates with a core curriculum that is built on, and augmented by, a customized set of electives, and the second year thesis sequence.

Additional Information

For more information about this program, visit the College's Interior Design (http://www.drexel.edu/westphal/academics/undergraduate/INTR/) webpage.

Admission Requirements

- Must apply between 90.0-120.0 credits
- 3.0 or better GPA
- Two recommendations
- 500-word essay
- Work Sample
- Applicants apply in spring of their sophomore year and must be approved by both program directors.

Degree Requirements

General Education requirements

CIVC 101	Introduction to Civic Engagement	1.0
COOP 101	Career Management and Professional Development [*]	1.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0

or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
MATH 101	Introduction to Analysis I	4.0
PHYS 175	Light and Sound	3.0
PHYS 176	Computational Lab for Light and Sound	1.0
SOC 101	Introduction to Sociology	3.0
UNIV A101	The Drexel Experience	2.0
Required Arts and Humanities-students elect a minimum of 9.0 credits [**]		9.0
Required Natural Science-students elect a minimum of 3.0 credits [***]		3.0
Required Social Science-students elect a minimum of 6.0 credits [†]		6.0
Free electives		**24.0**
Undergraduate electives (18.0 credits)		
Shared graduate electives (6.0 credits)		
Art History & Visual Studies requirements		
Required Art History (ARTH) students select a minimum of 6.0 credits		6.0
ARTH 103	History of Art III	3.0
VSST 101	Design I	4.0
VSST 102	Design II	4.0
VSST 103	Design III	4.0
VSST 110	Introductory Drawing	3.0
VSST 201	Multimedia: Performance	4.0
or VSST 202	Multimedia: Space	
VSST 203	Multimedia: Materials	4.0
VSST 301	Painting I	4.0
or VSST 311	Sculpture I	
Interior Design requirements		
INTR 160	Visualization I: Computer Imaging	3.0
INTR 200	History of Modern Architecture and Interiors	3.0
INTR 211	Textiles for Interiors	3.0
INTR 220	Visualization II: Orthographic	3.0
INTR 225	Environmental Design Theory	3.0
INTR 232	Interior Studio I	4.0
INTR 233	Interior Studio II	4.0
INTR 241	Visualization III: Digital	3.0
INTR 245	Visualization IV: 3D Modeling	3.0
INTR 250	Interior Materials	3.0
INTR 300 [WI]	Visual Culture: Interiors	3.0
INTR 305 [WI]	Visual Culture: Furniture	3.0
INTR 331	Residential Design Studio	4.0
INTR 340	Community Studio	4.0
INTR 341	Visualization V: Methods	3.0
INTR 350	Interior Detailing	3.0
INTR 351	Interior Lighting	3.0
INTR 430	Commercial Design Studio	4.0
INTR 441	Furniture Design	4.0
INTR 442	Hospitality Design Studio	4.0
INTR 445	Contract Documentation for Interior Design	3.0
INTR 450 [WI]	Professional Practice	3.0
INTR 451	Interior Systems	3.0
INTR 491	Senior Project I	3.0
INTR 492	Senior Project II	3.0
INTR 493	Senior Project III	3.0
Design Research requirements		
ARTH 530	History of Modern Design [††]	3.0
or CCM 704	Research Methods in Communication, Culture and Media	
or CRTV 620	Research Methods and Assessment of Creative and Innovative Thinking	
or PSY 510	Research Methods I	
or URBS 530	Quantitative Methods & Reasoning for Urban Strategists	
or VSST 501	Contemporary Art Issues	
DSRE 620	Design Problem Solving	3.0
DSRE 625	Technologies of Making	3.0

DSRE 630	Data Visualization for Design Professionals	3.0
DSRE 635	Translational Design Research	3.0
DSRE 641	Contemporary Design Theory	3.0
DSRE 645	Design Research Thesis Proposal	3.0
DSRE 650	Thesis Research and Practicum Studio	3.0
DSRE 750	Thesis in Design Research I	3.0
DSRE 760	Thesis in Design Research II	3.0
DSRE 770	Thesis in Design Research III	3.0
Graduate electives ‡		9.0
Total Credits		**229.0**

*	Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.
	COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.
**	Select 9.0 credits from 100-499 level courses, including T380, T480 in AFAS, ARCH, ARTH, COM, DANC, ENGL, FMST, GST, HIST, INTR, IST, JWST, LANG, LING, MENA, MUSC, PHIL, PHTO, PPE, PBHL, RELS, SCRP, THTR, TVST, VSCM, WGST, WRIT
***	Select 3.0 credits from 100-499 level courses in ANAT, ENVS, PHEV, BIO, GEO, PHYS, CHEM, NFS (must take NFS 100 + NFS 101 to earn credit)
†	Select 6.0 credits from from 100-499 level courses, including T380, T480 in AFAS, ANTH, CJS, CS, ECON, ENSS, ENVS, PSCI, PSY, PBHL, SOC, WGST
††	Or other course with advisor approval
±	Select 9.0 credits from 500-600 level courses, including I599, I699, T580, T680, in AS-I, CRTV, DIGM, DSRE, ENTP, ENVS, EPI, FASH, IDM, INFO, PBHL, RMER

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plan of Study

4+1, 1 co-op (Accelerated program completed in 5 years)

Students complete undergraduate requirements in four years, then convert to graduate status in the fifth and final year.

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARTH 103	3.0	ENGL 102 or 112	3.0	CIVC 101	1.0	VACATION	
ENGL 101 or 111	3.0	UNIV A101	1.0	ENGL 103 or 113	3.0		
MATH 101	4.0	VSST 102	4.0	INTR 160	3.0		
UNIV A101	1.0	VSST 110	3.0	INTR 200	3.0		
VSST 101	4.0	(UG) Art History Elective	3.0	VSST 103	4.0		
		(UG) Arts & Humanities Elective	3.0	(UG) Art History Elective	3.0		
	15		**17**		**17**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
INTR 220	3.0	COOP 101*	1.0	INTR 211	3.0	INTR 245	3.0
INTR 225	3.0	INTR 233	4.0	INTR 331	4.0	INTR 305	3.0
INTR 232	4.0	INTR 241	3.0	INTR 341	3.0	INTR 340	4.0
INTR 250	3.0	INTR 300	3.0	(UG) Electives	6.0	INTR 350	3.0
(UG) Elective	3.0	PHYS 175	3.0			(UG) Elective	3.0
		PHYS 176	1.0				

						SOC 101	3.0
	16		**18**		**16**		**16**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP EXPERIENCE		COOP EXPERIENCE		INTR 351	3.0	VSST 301 or 311	4.0
				INTR 430	4.0	(UG) Arts & Humanities Elective	3.0
				INTR 451	3.0	(UG) Natural Science	3.0
				VSST 203	4.0	(UG) Social Science Elective	3.0
				(UG) Arts & Humanities Elective	3.0	ARTH 530 or VSST 501	3.0
	0		**0**		**17**		**16**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
INTR 442	4.0	INTR 445	3.0	INTR 441	4.0	Student converts to Grad status	
INTR 491	3.0	INTR 450	3.0	INTR 493	3.0		
VSST 201 or 202	4.0	INTR 492	3.0	(UG) Elective	3.0		
(UG) Social Science Elective	3.0	(UG) Elective	3.0	DSRE 641 (counts as UG Free Electives)	3.0		
DSRE 620	3.0	DSRE 630 (counts as UG Free Electives)	3.0	DSRE 645	3.0		
		DSRE 635	3.0	BS Degree Awarded			
	17		**18**		**16**		**0**

Fifth Year

Fall	Credits	Winter	Credits	Spring	Credits
DSRE 625	3.0	DSRE 760	3.0	DSRE 770	3.0
DSRE 750	3.0	(GR) DSRE Electives	6.0	(GR) DSRE Electives	6.0
DSRE 650	3.0				
(GR) DSRE Elective	3.0				
	12		**9**		**9**

Total Credits 229

* Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

  COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

Interior Design BS / Interior Architecture MS

Major: Interior Design and Interior Architecture
Degree Awarded: Bachelor of Science (BS) & Master of Science (MS)
Calendar Type: Quarter
Minimum Required Credits: 226.0
Co-op Options: One Co-op (Five years)
Classification of Instructional Programs (CIP) code: 50.0408
Standard Occupational Classification (SOC) code: 27-1025

About the Program

The BS Interior Design / MS Interior Architecture program offers a first-professional degree in interior design and a post-professional graduate degree for students looking to accelerate their career and/or specialize in an area of interior design. The BS Interior Design program explores the behavioral, technological, environmental and aesthetic aspects of interior design within the context of increasingly more complex design projects. Combined with art and art history and general education requirements, a core of interior design courses is completed along with a 6-month professional co-op. This undergraduate education prepares students to enter the interior design industry.

The MS Interior Architecture program reinforces design fundamentals; advances technical skills and conceptual approaches; allows for specialization in areas such as health/wellness, making/fabrication, or technology/representation; and culminates in a comprehensive thesis research and design project. Students select from a range of studio, seminar, and elective courses to create a program tailored to their professional interest.

Additional Information

For more information about this program, visit the College's Interior Design (http://www.drexel.edu/westphal/academics/undergraduate/INTR/) webpage.

Admission Requirements

Application for the Accelerated Degree Program must be made to the Department of Architecture, Design & Urbanism and the Graduate College after completing 90.0 credits, but no more than 120.0 credits.

Criteria for Admission

- Overall GPA of undergraduate coursework – 3.2 minimum
- Overall GPA in interior design studio coursework – 3.5 minimum
- Portfolio Review – interior studio work and other visual work from other design courses
- Essay – Address reason for application, attitude towards profession, professional goals and leadership qualities you possess
- Two letters of recommendation speaking about your work ethic and leadership skills.

Degree Requirements

General education requirements

CIVC 101	Introduction to Civic Engagement	1.0
COOP 101	Career Management and Professional Development [*]	1.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
MATH 101	Introduction to Analysis I	4.0
PHYS 175	Light and Sound	3.0
PHYS 176	Computational Lab for Light and Sound	1.0
SOC 101	Introduction to Sociology	3.0
UNIV A101	The Drexel Experience	2.0
Required Arts and Humanities-students elect a minimum of 9.0 credits [**]		9.0
Required Natural Science-students elect a minimum of 3.0 credits [***]		3.0
Required Social Science-students elect a minimum of 6.0 credits [†]		6.0
Free electives		24.0
Art & Design History requirements		
ARTH 103	History of Art III	3.0
ARCH 141	Architecture and Society I	3.0
ARCH 142	Architecture and Society II	3.0
ARCH 143	Architecture and Society III	3.0
Visual studies requirements		
VSST 101	Design I	4.0
VSST 102	Design II	4.0
VSST 103	Design III	4.0
VSST 110	Introductory Drawing	3.0
VSST 201	Multimedia: Performance	4.0
or VSST 202	Multimedia: Space	
VSST 203	Multimedia: Materials	4.0
VSST 301	Painting I	4.0
or VSST 311	Sculpture I	
Interior design requirements		
INTR 160	Visualization I: Computer Imaging	3.0
INTR 211	Textiles for Interiors	3.0
INTR 220	Visualization II: Orthographic	3.0
INTR 225	Environmental Design Theory	3.0
INTR 241	Visualization III: Digital	3.0
INTR 245	Visualization IV: 3D Modeling	3.0
INTR 250	Interior Materials	3.0
INTR 300 [WI]	Visual Culture: Interiors	3.0
INTR 305 [WI]	Visual Culture: Furniture	3.0
INTR 322	Interior Studio I	4.0

INTR 323	Interior Studio II	4.0
INTR 331	Residential Design Studio	4.0
INTR 341	Visualization V: Methods	3.0
INTR 342	Hospitality Design Studio	4.0
INTR 350	Interior Detailing	3.0
INTR 351	Interior Lighting	3.0
INTR 430	Commercial Design Studio	4.0
INTR 440	Health & Wellness ID Studio	4.0
INTR 441	Furniture Design	4.0
INTR 445	Contract Documentation for Interior Design	3.0
INTR 450 [WI]	Professional Practice	3.0
INTR 451	Interior Systems	3.0
INTR 491	Senior Project I	3.0
INTR 492	Senior Project II [††]	
INTR 493	Senior Project III [††]	
Interior Architecture Requirements		
Interior Architecture Studios-Choose 4 from the following:		16.0
INTR 622	Graduate Studio A	
INTR 632	Graduate Studio B	
INTR 641	Furniture Design	
INTR 642	Graduate Studio C	
INTR 652	Graduate Studio D	
INTR 662	Graduate Studio E	
INTR 674	Fabrication and Making	
INTR T680	Special Topics in Interior Design	
Interior Architecture Seminars-Choose 4 from the following:		8.0
INTR 623	Studio A Seminar	
INTR 633	Studio B Seminar	
INTR 643	Studio C Seminar	
INTR 653	Studio D Seminar	
INTR 663	Studio E Seminar	
INTR T680	Special Topics in Interior Design	
Interior Architecture Electives - Choose 4 from the following: [±]		**12.0**
INTR 624	Material Investigations	
INTR 625	Advanced Visual Methods	
INTR 634	Interior Systems I	
INTR 645	Advanced Digital Methods	
INTR 654	Interior Systems II	
DSRE 625	Technologies of Making	
DSRE 630	Data Visualization for Design Professionals	
DSRE 635	Translational Design Research	
URBS 610	Civic Engagement & Participatory Methods	
URBS 620	City of Systems	
URBS 650	Urbanism, Health & the Built Environment	
Thesis		
INTR 694	Thesis Programming	3.0
INTR 697	Thesis - Development	3.0
INTR 698	Thesis - Documentation	3.0
Comprehensive Exam		
INTR 699	Comp Exam for Interior Design [±±]	0.0
Total Credits		**226.0**

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

       COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

**   Select 9.0 credits from 100-499 level courses, including T380, T480 in AFAS, ARCH, ARTH, COM, DANC, ENGL, FMST, GST, HIST, INTR, IST, JWST, LANG, LING, MENA, MUSC, PHIL, PHTO, PPE, PBHL, RELS, SCRP, THTR, TVST, VSCM, WGST, WRIT

***   Select 3.0 credits from 100-499 level courses in ANAT, ENVS, PHEV, BIO, GEO, PHYS, CHEM, NFS (must take 100 + 101 to earn credit).

†   Select 6.0 credits from from 100-499 level courses, including T380, T480 in AFAS, ANTH, CJS, CS, ECON, ENSS, ENVS, PSCI, PSY, PBHL, SOC, WGST

††   **Shared Coursework** – counts for both UG and GR degree requirements

- INTR 492 *Senior Project II* = INTR xxx *IA Seminar* (GR) - 2.0 credits
- INTR 493 *Senior Project III* = INTR xxx *IA Studio* (GR) - 4.0 credits

±   Select 12.0 credits from 500-700 level courses, including I599, I699, I799 and T580, T680 and T780 in ARCH, DSRE, INTR, URBS

±±   INTR 699 consists of several components: a series of sketch problems, design competitions, professional experience and portfolio review. These must be completed during the two + graduate years.

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plan of Study

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARCH 141	3.0	ARCH 142	3.0	ARCH 143	3.0	VACATION	
ENGL 101 or 111	3.0	ENGL 102 or 112	3.0	CIVC 101	1.0		
MATH 101	4.0	UNIV A101	1.0	ENGL 103 or 113	3.0		
UNIV A101	1.0	VSST 102	4.0	INTR 160	3.0		
VSST 101	4.0	VSST 110	3.0	VSST 103	4.0		
		(UG) Arts & Humanities elective	3.0				
	15		**17**		**14**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARTH 103	3.0	COOP 101*	1.0	INTR 211	3.0	INTR 245	3.0
INTR 220	3.0	INTR 241	3.0	INTR 331	4.0	INTR 300	3.0
INTR 225	3.0	INTR 305	3.0	INTR 341	3.0	INTR 342	4.0
INTR 250	3.0	INTR 323	3.0	(UG) Natural Science elective	4.0	INTR 350	3.0
INTR 322	4.0	PHYS 175	3.0	(UG)Social Science Elective	3.0	VSST 202 or 201	4.0
		PHYS 176	1.0				
		SOC 101	3.0				
	16		**18**		**16**		**17**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP EXPERIENCE		COOP EXPERIENCE		INTR 351	3.0	(UG) Arts & Humanities elective	3.0
				INTR 430	4.0	(UG) Social Science Elective	3.0
				INTR 451	3.0	(UG)Elective	6.0
				VSST 203	4.0	(GR) INTR IA Elective	3.0
				(UG) Arts & Humanities elective	3.0		
	0		**0**		**17**		**15**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
INTR 440	4.0	INTR 445	3.0	INTR 441	4.0	Classified as a Graduate Student	

VSST 301 or 311	4.0 (UG) Free elective	6.0 (UG) Free Elective	9.0
INTR 491	3.0 INTR 450	3.0 (GR) INTR IA Studio	4.0
(UG) Free Elective	3.0 (GR) INTR IA Elecive	3.0 (GR) IA Seminar	2.0
(GR) INTR IA Seminar **(INTR 492)	2.0 (GR) INTR IA Studio***(INTR 493)	4.0 Award BS ID Degree	
(GR) INTR IA Elective	3.0		
	19	**19**	**19**	**0**
Fifth Year			
Fall	**Credits Winter**	**Credits Spring**	**Credits**
INTR 694	3.0 INTR 697	3.0 INTR 698	3.0
(GR) INTR IA Seminar	2.0 (GR) INTR IA Studio	4.0 INTR 699	0.0
(GR) INTR IA Studio	4.0 (GR) IA Seminar	2.0 (GR) INTR IA Elective	3.0
	9	**9**	**6**

Total Credits 226

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

**   **Course Substitutions**

- INTR 491 *Senior Project I* = INTR xxx *Interiors Elective* (UG) - 3.0 credits

***   **Shared Coursework** – counts for both UG and GR degree requirements

- INTR 492 *Senior Project II* = INTR xxx *IA Seminar* (GR) - 2.0 credits
- INTR 493 *Senior Project III* = INTR xxx *IA Studio* (GR) - 4.0 credits

Interior Design BS / Urban Strategy MS

Major: Interior Design and Urban Strategy
Degrees Awarded: Bachelor of Science (BS) and Master of Science (MS)
Calendar Type: Quarter
Minimum Required Credits: 229
Co-op Options: One Co-op (Five years)
Classification of Instructional Programs (CIP) code: 50.0408
Standard Occupational Classification (SOC) code: 27-1025

About the Program

This five-year path allows students to graduate with a Bachelor of Science in Interior Design, enhanced by a Master of Science in Urban Strategy, preparing them to problem solve and collaborate in the domains of urban planning, design, health, policy, community and economic development.

The Bachelor of Science in Interior Design program explores the behavioral, technological, environmental and aesthetic aspects of interior design within the context of increasingly more complex design projects. Combined with art and art history and general education requirements, a core of interior design courses creates a unique education at the forefront of design. Through academics grounded in problem-solving design studios, cooperative employment and a dedicated faculty, the Interior Design program prepares students for leadership positions in the industry. The Interior Design program is consistently ranked among the top programs in the country, and in the survey by Design Intelligence of "America's Best Design Schools."

The BS interior design program is CIDA (Council for Interior Design Accreditation) and NASAD (National Association of Schools of Art & Design) accredited.

The MS in Urban Strategy program is a cross-disciplinary, 48.0 credit master's degree designed to prepare students to become 21st century urbanists equipped to collaboratively and creatively solve complex multi-faceted urban challenges on all levels: locally, nationally and globally. The program boasts a cross-disciplinary curriculum focused on strategy, problem solving and collaboration in the domains of urban planning, design, health, engineering, policy, community and economic development and sociology.

Additional Information

For more information about this program, visit the College's Interior Design (http://www.drexel.edu/westphal/academics/undergraduate/INTR/) webpage.

Admission Requirements

Transcripts: Provide official transcripts from all colleges and universities attended

Standardized Test Scores: GRE/MAT test scores are accepted and appreciated, but not required. TOEFL scores are required for international applicants or applicants who earned a degree outside the U.S. (minimum scores: 100/577/233). Scores will be reviewed based on section scores and total scores. IELTS scores may be submitted in lieu of TOEFL scores.

Essay: Please write approximately 500 words explaining your reasons for pursuing a degree from Drexel; your short-term and long-term career plans; and how your background, experience, interest, and/or values, when combined with a Drexel degree, will enable you to pursue these goals successfully.

Résumé: Please submit a resume electronically

Letters of Recommendation: Two letters of recommendation are required. To electronically request recommendations, you must list your recommenders and their contact information on your application. We advise that you follow up with your recommenders to ensure they received your recommendation request — they may need to check their junk mail folder. Additionally, it is your responsibility to confirm that your recommenders will submit letters by your application deadline and follow up with recommenders who have not completed their recommendations.

Academic Experience: You must have a minimum undergraduate GPA of 3.0 in your major.

Degree Requirements

General Education requirements

CIVC 101	Introduction to Civic Engagement	1.0
COOP 101	Career Management and Professional Development [*]	1.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
MATH 101	Introduction to Analysis I	4.0
PHYS 175	Light and Sound	3.0
PHYS 176	Computational Lab for Light and Sound	1.0
SOC 101	Introduction to Sociology	3.0
UNIV A101	The Drexel Experience	2.0
Required Arts and Humanities-students elect a minimum of 9.0 credits [**]		9.0
Required Natural Science-students elect a minimum of 3.0 credits [***]		3.0
Required Social Science-students elect a minimum of 6.0 credits [†]		6.0
Free electives 24 credits total		**18.0**
Undergraduate electives (18.0 credits)		
Shared graduate electives (6.0 credits) - URBS 510 and URBS 610		
Art & Design History		
ARTH 103	History of Art III	3.0
ARCH 141	Architecture and Society I	3.0
ARCH 142	Architecture and Society II	3.0
ARCH 143	Architecture and Society III	3.0
Visual Studies requirements		
VSST 101	Design I	4.0
VSST 102	Design II	4.0
VSST 103	Design III	4.0
VSST 110	Introductory Drawing	3.0
VSST 201	Multimedia: Performance	4.0
or VSST 202	Multimedia: Space	
VSST 203	Multimedia: Materials	4.0
VSST 301	Painting I	4.0
or VSST 311	Sculpture I	
Interior Design requirements		
INTR 160	Visualization I: Computer Imaging	3.0
INTR 211	Textiles for Interiors	3.0
INTR 220	Visualization II: Orthographic	3.0
INTR 225	Environmental Design Theory	3.0
INTR 241	Visualization III: Digital	3.0
INTR 245	Visualization IV: 3D Modeling	3.0

INTR 250	Interior Materials	3.0
INTR 300 [WI]	Visual Culture: Interiors	3.0
INTR 305 [WI]	Visual Culture: Furniture	3.0
INTR 322	Interior Studio I	4.0
INTR 323	Interior Studio II	4.0
INTR 331	Residential Design Studio	4.0
INTR 341	Visualization V: Methods	3.0
INTR 342	Hospitality Design Studio	4.0
INTR 350	Interior Detailing	3.0
INTR 351	Interior Lighting	3.0
INTR 430	Commercial Design Studio	4.0
INTR 440	Health & Wellness ID Studio	4.0
INTR 441	Furniture Design	4.0
INTR 445	Contract Documentation for Interior Design	3.0
INTR 450 [WI]	Professional Practice	3.0
INTR 451	Interior Systems	3.0
INTR 491	Senior Project I	3.0
INTR 492	Senior Project II	3.0
INTR 493	Senior Project III	3.0
Urban Strategy requirements		
ECON 616	Public Finance and Cost Benefit Analysis	3.0
EOH 550	Introduction to Urban Health	3.0
URBS 510	History of Urban Space	3.0
URBS 520	What is a City	3.0
URBS 530	Quantitative Methods & Reasoning for Urban Strategists	3.0
URBS 610	Civic Engagement & Participatory Methods	3.0
URBS 620	City of Systems	3.0
URBS 630	Spatial Reasoning for Urbanists, Architects & Designers	3.0
URBS 670	Thesis I: Research Inquiry & Design	3.0
URBS 675	Thesis Seminar I	1.5
URBS 680	Thesis II: Fieldwork	3.0
URBS 685	Thesis Seminar II	1.5
URBS 690	Thesis III: Documentation	3.0
Graduate Free Electives [††]		12.0
Total Credits		**229.0**

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

**   Select 9.0 credits from 100-499 level courses, including T380, T480 in AFAS, ARCH, ARTH, COM, DANC, ENGL, FMST, GST, HIST, INTR, IST, JWST, LANG, LING, MENA, MUSC, PHIL, PHTO, PPE, PBHL, RELS, SCRP, THTR, TVST, VSCM, WGST, WRIT

***   Select 3.0 credits from 100-499 level courses in ANAT, ENVS, PHEV, BIO, GEO, PHYS, CHEM, NFS (must take NFS 100 + NFS 101 to earn credit)

†   Select 6.0 credits from from 100-499 level courses, including T380, T480 in AFAS, ANTH, CJS, CS, ECON, ENSS, ENVS, PSCI, PSY, PBHL, SOC, WGST

††   Select 6.0 credits from 500-600 level courses, including Special Topics (T580 and T680) in AADM, AAML, BUSN, CHP, COM, DSRE, EDPO, ENTP, ENVP, HMP, INTR, PBHL, PLCY, SCTS, URBS

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-

philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plan of Study

4+1, 1 co-op (Accelerated program completed in 5 years)

Students complete undergraduate requirements in four years, then convert to graduate status in the fifth and final year.

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARCH 141	3.0	ARCH 142	3.0	ARCH 143	3.0	VACATION	
ENGL 101 or 111	3.0	ENGL 102 or 112	3.0	CIVC 101	1.0		
MATH 101	4.0	UNIV A101	1.0	ENGL 103 or 113	3.0		
UNIV A101	1.0	VSST 102	4.0	INTR 160	3.0		
VSST 101	4.0	VSST 110	3.0	VSST 103	4.0		
		(UG) Arts & Humanities Elective	3.0	(UG) Free elective	3.0		
	15		**17**		**17**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARTH 103	3.0	COOP 101[*]	1.0	INTR 211	3.0	INTR 245	3.0
INTR 220	3.0	INTR 241	3.0	INTR 331	4.0	INTR 300	3.0
INTR 225	3.0	INTR 305	3.0	INTR 341	3.0	INTR 342	4.0
INTR 250	3.0	INTR 323	3.0	(UG) Natural Science elective	4.0	INTR 350	3.0
INTR 322	4.0	PHYS 175	3.0	(UG) Social Science elecive	3.0	VSST 202 or 201	4.0
		PHYS 176	1.0				
		SOC 101	3.0				
	16		**18**		**16**		**17**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP EXPERIENCE		COOP EXPERIENCE		INTR 351	3.0	(UG) Arts & Humanities Elective	3.0
				INTR 430	4.0	(UG) Elective	3.0
				INTR 451	3.0	(UG) Natural Science	3.0
				VSST 203	4.0	(UG) Social Science Elective	3.0
				(UG) Arts & Humanities Elective	3.0		
	0		**0**		**17**		**12**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
INTR 491	3.0	INTR 445	3.0	INTR 441	4.0	Student converts to Grad status	
INTR 440	4.0	INTR 450	4.0	INTR 493	3.0		
VSST 301 or 311	4.0	INTR 492	3.0	(UG) Elective	3.0		
(UG) Free elective	3.0	URBS 610 (counts as UG Free Electives)	3.0	(UG) Social Science elective	3.0		
EOH 550	3.0	URBS 620	3.0	ECON 616	3.0		
URBS 510 (counts as UG Free Electives)	3.0	URBS 630	3.0	BS Degree Awarded			
	20		**18**		**16**		**0**

Fifth Year

Fall	Credits	Winter	Credits	Spring	Credits
URBS 520	3.0	URBS 675	1.5	URBS 685	1.5
URBS 530	3.0	URBS 680	3.0	URBS 690	3.0
URBS 670	3.0	(GR) URBS Electives	6.0	(GR) URBS Electives	6.0
	9		**10.5**		**10.5**

Total Credits 229

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

Music Industry BS / Business MBA

Major: Music Industry and Business Administration
Degree Awarded: Bachelor of Science (BS) and Master of Business Administration (MBA)
Calendar Type: Quarter
Minimum Required Credits: 234.0
Co-op Options: Two Co-ops (Five years)
Classification of Instructional Programs (CIP) code: 50.1003
Standard Occupational Classification (SOC) code: 27-2041; 25-1121

About the Program

The BS in Music Industry/MBA program offers students a program that combines an undergraduate degree in music business and technology with an MBA degree awarded by the Drexel LeBow College of Business. The program is designed to allow students to complete both the BS and the Master of Business Administration degree in five years.

The program is offered to qualified students who apply for this option prior to the end of freshmen year or prior to the completion of 90.0 credits. All students who apply for this option must take the GMAT entrance exam.

Additional Information

For more information about this program, visit the College's Music Industry (https://drexel.edu/westphal/academics/undergraduate/mip/) page.

Admission Requirements

Students selected for this program will generally have a minimum of 1350 on the SAT, a GPA of 3.5 or better, and rank in the top 10% of their high school graduating class. A strong candidate for this program will have taken significant AP coursework while in high school.

Degree Requirements

Requirements		
CIVC 101	Introduction to Civic Engagement	1.0
COM 230	Techniques of Speaking	3.0
COOP 101	Career Management and Professional Development [*]	1.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
MATH 101	Introduction to Analysis I	4.0
or MATH 121	Calculus I	
MATH 102	Introduction to Analysis II	4.0
or MATH 122	Calculus II	
UNIV A101	The Drexel Experience	1.0
Required Arts and Humanities-students elect a minimum of 9.0 credits [**]		9.0
Required Natural Science-students elect a minimum of 3.0 credits [***]		3.0
Required Social Science-students elect a minimum of 9.0 credits [†]		9.0
Music Core Requirements		
MUSC 121	Music Theory I	3.0
or MUSC 122	Music Theory II	
MUSC 125	Ear Training I	1.0
MUSC 130	Introduction to Music	3.0
MUSC 190	Class Piano I	2.0
or MUSC 191	Class Guitar I	
MUSC 323	Songwriting	3.0

Music Elective (Select one)		3.0
MUSC 231	European Classical Music History I	
MUSC 232	European Classical Music History II	
MUSC 234	The Beatles	
MUSC 236	Rock Music Through the Mid-60s	
MUSC 238	Rock Music Since the Mid-60s	
MUSC 331	World Musics	
MUSC 333	Afro-American Music USA	
MUSC 336	History of Jazz	
MUSC 338 [WI]	American Popular Music	
MUSC T380	Special Topics in Music	
Music Industry Core Requirements		
ACCT 110	Accounting for Professionals	4.0
BLAW 201	Business Law I	4.0
ECON 201	Principles of Microeconomics	4.0
ECON 202	Principles of Macroeconomics	4.0
FIN 301	Introduction to Finance	4.0
MIP 132	Survey of the Recording Industry	3.0
MIP 133	Digital Audio Workstations I	3.0
MIP 161	Copyrights in the Music Industry	3.0
MIP 179	Introduction to Sound Recording	2.0
MIP 227	Listening Techniques	1.0
MIP 270	Live Music Industry	3.0
MIP 293 [WI]	Survey of Music Production	3.0
MIP 361	Music Publishing	3.0
MIP 374	Entrepreneurship in the Music Industry	3.0
MIP 375 [WI]	Marketing and Promo in Music Industry	3.0
MIP 491	Senior Project in Music Industry [††]	9.0
STAT 201	Introduction to Business Statistics	4.0
WEST 100	Introduction to Digital Design Tools	3.0
Concentration requirements		33.0-34.0
Concentration electives		9.0
Free electives (24.0 credits total; 3.0 of which are satisfied by GR Free Electives) [‡]		21.0
MBA Requirements		
ACCT 510	Essentials of Financial Reporting	2.0
BLAW 510	Analyzing Legal Options in Decision-Making	2.0
BSAN 601	Business Analytics for Managers	3.0
ECON 601	Managerial Economics	3.0
FIN 601	Corporate Financial Management	3.0
MGMT 520	Strategy Analysis	2.0
MGMT 530	Managing and Leading the Total Enterprise	2.0
MKTG 510	Marketing Strategy	2.0
MGMT 770	MBA Capstone	2.0
ORGB 511	Leading in Dynamic Environments: A Personal, Relational, and Strategic Approach	3.0
POM 510	Operations and Supply Chain Management	2.0
Experiential Elective - Select one		**3.0**
BUSN 615	Graduate Internship	
INTB 790	International Business Seminar and Residency	
MGMT 680	Leading for Innovation	
MGMT 715	Business Consulting	
MIS 652	Business Agility and IT	
ORGB 640	Negotiations for Leaders	
TAX 715	Tax Experiential Learning	
MBA Concentration Requirements		**9.0**
MBA Free Electives		**11.0**
Total Credits		**234.0-235.0**

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

**	Select 9.0 credits from 100-499 level courses, including T380-480 in AFAS, ARTH, COM, ENGL, FMST, GST, HIST, IST, JWST, LANG, LING, MENA, MUSC, PHIL, PPE, PBHL, SCRP, THTR, TVST, WGST, WRIT, ARCH, DANC, INTR, PHTO, RELS, and VSCM.
***	Select 3.0 credits from 100-499 level courses in BIO, CHEM, ENVS, GEO, and PHYS. PHYS 107 is recommended.
†	Select 9.0 credits from 100-499 level courses, including T380-T480, in AFAS, ANTH, CJS, CS, ECON, ENSS, ENVS, PSI, PSY, PBHL, SOC, and WGST.
††	Repeated over three terms.
‡	MKTG 301, PHIL 301, PSY 101 and/or PSY 150 are recommended.

UG Concentration Requirements

Music Industry: Business Concentration Requirements

MIP 276	Sound Recording for Business Concentration *	3.0
MIP 336	Contracts and Legal Issues in the Music Industry	3.0
MIP 366	Music Supervision	3.0
MIP 376	MAD Dragon Music Group (Taken three terms)	9.0
MIP 394	Big Data In The Music Industry	3.0
MIP 395	Digital Revenue & Creative Destruction	3.0
MIP 426	Global Trends in the Music Industry	3.0
MIP 467	Artist Representation	3.0
MIP 468	Music Industry E-Commerce	3.0
Select three of the following Business Concentration Electives		**9.0**
MIP 170	Radio Management	
MIP 263	Media Promotion	
MIP 318	Music Merchandising	
MIP 331	Music Venues and Concerts	
MIP 341	Touring and Booking	
MIP 350	Artist Development	
MIP 365	Cities of Music and Culture	
Total Credits		**42.0**

*	MUSI Business Concentration students who would like to continue taking more advanced recording studio and music production courses should take MIP 279 instead of MIP 276. Take MIP 233 in Term 3 instead of MIP 276, which is a prerequisite to MIP 279, which students will take in Terms 5 or 6.

Music Industry: Recording Arts & Music Production (RAMP) Concentration Requirements

MIP 233	Digital Audio Workstations II	3.0
MIP 279	Sound Recording I	3.0
MIP 333	Digital Audio Workstations III	3.0
MIP 338	Audio Seminar	2.0
MIP 379	Sound Recording II	3.0
MIP 381	Audio for Video	3.0
MIP 388	Music and Audio Freelancing	2.0
MIP 389	Sound Reinforcement	3.0
MIP 477	Music Production	3.0
MIP 481	Mixing and Mastering	3.0
MUSC 122	Music Theory II	3.0
MUSC 229	Modern Arranging Techniques	3.0
Select Three of the following RAMP Concentration electives:		**9.0**
MIP 358	Electronic Music Production	
MIP 382	Scoring to Picture	
MIP 384	Synthesis and Sampling	
MIP 386	Commercial Music Production	
MIP 387	Studio Maintenance	
MIP 390	Video Game Music and Audio	
MIP 391	Analog Recording	
MIP 393	Advanced Sound Reinforcement	

MIP 433	Digital Audio Workstations IV	
Total Credits		**43.0**

MBA Concentrations

Students selecting a concentration can choose from the following:

Business Analytics Concentration

Select three of the following:		**9.0**
STAT 632	Datamining for Managers	
MIS 612	Aligning Information Systems and Business Strategies	
MIS 630	Inter-Active Decision Support Systems	
MIS 632	Database Analysis and Design for Business	
MKTG 606	Customer Analytics	
MKTG 607	Marketing Experiments	
OPR 601	Managerial Decision Models and Simulation	
POM 645	Supply Chain Analytics	
STAT 610	Statistics for Business Analytics	
STAT 645	Time Series Forecasting	
STAT T680	Special Topics in STAT	
Total Credits		**9.0**

Finance Concentration

Select three of the following:		
FIN 602	Advanced Financial Management	
FIN 605	Business Valuation	
FIN 610	Corporate Governance	
FIN 615	Environmental and Social Issues in Finance	
FIN 622	Financial Institutions & Markets	
FIN 624	Risk Management	
FIN 626	Investment Management	
FIN 635	Entrepreneurial Finance	
FIN 639	FinTech	
FIN 645	Behavioral Finance	
FIN 648	International Financial Management	
FIN T680	Special Topics in Finance	
Total Credits		**0.0**

Marketing Concentration

Select three of the following, of which two MUST be from MKTG (any course with MKTG subject code and course number between 600-699):

MKTG Course 600-699		
BLAW T680	Special Topics in Legal Studies	
ECON 540	Intro to Econometrics and Data Analysis	
ECON 610	Microeconomics	
INTB 620	International Business Management	
MGMT 655	Knowledge Management	
MIS 624	Systems Analysis & Design	
MIS 632	Database Analysis and Design for Business	
OPR 601	Managerial Decision Models and Simulation	
POM 610	Supply Chain Management I	
STAT 634	Quality & Six-Sigma	
STAT 645	Time Series Forecasting	
Total Credits		**0.0**

Strategic Technology & Innovation Management Concentration

Required Courses		
MGMT 602	Innovation Management	3.0
MGMT 603	Technology Strategy	3.0
Electives		
Select one of the following:		3.0

ECON 650	Business & Economic Strategy: Game Theory & Applications	
MGMT 600	Introduction to Change Management: An Integration of Macro and Micro Perspectives	
MGMT 604	Strategic Change Management	
MGMT 640	Strategic Human Resource Management	
MGMT 655	Knowledge Management	
MGMT 676	Sustainability and Value Creation	
MGMT 680	Leading for Innovation	
MGMT 686	Strategy Implementation	
MGMT 690	Change Management Experiential Capstone	
MIS 641	MIS Policy and Strategy	
MIS 652	Business Agility and IT	
MKTG 638	New Product Planning, Strategy, and Development	
OPR 601	Managerial Decision Models and Simulation	
ORGB 602	Leading and Executing Change	
ORGB 640	Negotiations for Leaders	
STAT 645	Time Series Forecasting	
Total Credits		**9.0**

Supply Chain Management & Logistics Concentration

Select three of the following:		9.0
MGMT 660	Leading the Digital Supply Chain	
MIS 624	Systems Analysis & Design	
OPR 601	Managerial Decision Models and Simulation	
POM 610	Supply Chain Management I	
POM 615	Supply Chain Management II	
POM 624	Management of Service Firms	
POM 630	Transportation & Logistics Management	
POM 642	Sustainable Supply Chain Management and Logistics	
POM 644	Revenue Management	
POM 645	Supply Chain Analytics	
POM T680	Special Topics in POM	
STAT 634	Quality & Six-Sigma	
STAT 645	Time Series Forecasting	
Total Credits		**9.0**

Customized Concentration

Students can self customize a concentration with coordination between their program manager and with faculty guidance. Please see your program manager/academic advisor for further information.		9.0
MBA Graduate Credits include courses in Accounting (ACCT), Statistics (STAT), Economics (ECON), Finance (FIN), General Business (BUSN), Interdisciplinary Business (INDS), International Business (INTB), Legal Studies (BLAW), Management (MGMT), Management Information Systems (MIS), Marketing (MKTG), Operations Research (OPR), Organizational Behavior (ORGB), Production Operations Management (POM), Sport Management (SMT) or Taxation (TAX), with a course number range between 500-799 or other approved course at the graduate level.		
Total Credits		**9.0**

Corporate Sustainability and Social Impact Concentration

Choose three from the following:		9.0
BLAW 620	Legal Aspects of Employment	
FIN 610	Corporate Governance	
FIN 615	Environmental and Social Issues in Finance	
INDS T680	Special Topics in Interdisciplinary Business	
MGMT 670	Business Ethics	
MGMT 676	Sustainability and Value Creation	
MKTG 654	Corporate Brand & Reputation Management	
ORGB T680	Special Topics in ORGB	
POM 642	Sustainable Supply Chain Management and Logistics	
SMT 606	Social Issues in Sport	

Effective Leadership Concentration

Choose three of the following:		9.0
MGMT 660	Leading the Digital Supply Chain	
MGMT 670	Business Ethics	

MGMT 676	Sustainability and Value Creation	
ORGB 620	Leading Virtual Teams	
ORGB 640	Negotiations for Leaders	

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plan of Study

4+1, 1 co-op (Accelerated program completed in 5 years); Music Industry: Recording Arts & Music Production Concentration

Students complete undergraduate requirements in four years, then convert to graduate status in the fifth and final year.

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ENGL 101 or 111	3.0	CIVC 101	1.0	ACCT 110	4.0	VACATION	
MIP 132	3.0	ENGL 102 or 112	3.0	ENGL 103 or 113	3.0		
MIP 179	2.0	MIP 133	3.0	MIP 233	3.0		
MIP 227	1.0	MIP 161	3.0	MIP 270	3.0		
MUSC 121	3.0	MUSC 130	3.0	MUSC 122	3.0		
MUSC 190 or 191	2.0	WEST 100	3.0	MUSC 125	1.0		
UNIV A101	1.0						
	15		**16**		**17**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP 101	1.0	ECON 201	4.0	BLAW 201	4.0	COOP EXPERIENCE	
MATH 101 or 121	4.0	MATH 102 or 122	4.0	MIP 279 (or UG Free Elective)	3.0		
MIP 333	3.0	MIP 279 (or UG Free Elective)	3.0	MUSC 229	3.0		
MIP 361	3.0	MIP 293	3.0	MUSC 323	3.0		
MIP 375	3.0	(UG) Free Elective	3.0	STAT 201	4.0		
(UG) Free Elective	3.0						
	17		**17**		**17**		**0**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ECON 202	4.0	MIP 374	3.0	COM 230	3.0	COOP EXPERIENCE	
FIN 301	4.0	MIP 388	2.0	MIP 338	2.0		
MIP 379	3.0	MIP 389	3.0	MIP 477	3.0		
MIP 381	3.0	MIP 481	3.0	(UG) Natural Science Elective[*]	3.0		
(UG) Arts and Humanities Elective	3.0	(UG) MUSC Elective	3.0	(UG) Social Science Electives	6.0		
		(UG) Social Science Elective	3.0				
	17		**17**		**17**		**0**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
MIP 491	3.0	MIP 491	3.0	MIP 491	3.0	Convert to Graduate Status	
(UG) Arts and Humanities Elective	3.0	(UG) Free Elective	3.0	(UG) Arts and Humanities Elective	3.0		

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
(UG) Free Elective	3.0	(UG) MIP Production Elective	3.0	(UG) Free Elective	6.0		
(UG) MIP Production Elective	3.0	BSAN 601	3.0	(UG) MIP Production Elective	3.0		
ACCT 510	2.0	ORGB 511	3.0	MGMT 520	2.0		
MGMT 530	2.0	(GR) Elective (counts as UG Free elective)	3.0	Awarded BS Degree			
MKTG 510	2.0						
	18		18		17		0

Fifth Year

Fall	Credits	Winter	Credits	Spring	Credits
FIN 601	3.0	BLAW 510	2.0	MGMT 770	2.0
POM 510	2.0	ECON 601	3.0	(GR) Concentration Requirements	6.0
(GR) Electives	5.0	(GR) Concentration Requirement	3.0	(GR) Experiential Elective	3.0
		(GR) Elective	3.0		
	10		11		11

Total Credits 235

*   PHYS 107 is recommended.

4+1, 1 co-op (Accelerated program completed in 5 years); Music Industry: Business Concentration

Students complete undergraduate requirements in four years, then convert to graduate status in the fifth and final year.

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ENGL 101 or 111	3.0	CIVC 101	1.0	ACCT 110	4.0	VACATION	
MIP 132	3.0	ENGL 102 or 112	3.0	ENGL 103 or 113	3.0		
MIP 179	2.0	MIP 133	3.0	MIP 270	3.0		
MIP 227	1.0	MIP 161	3.0	MIP 276	3.0		
MUSC 121	3.0	MUSC 130	3.0	MUSC 125	1.0		
MUSC 190 or 191	2.0	WEST 100	3.0	(UG) Free Elective	3.0		
UNIV A101	1.0						
	15		16		17		0

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
COOP 101	1.0	BLAW 201	4.0	MIP 336	3.0	COOP EXPERIENCE	
MATH 101	4.0	ECON 201	4.0	MIP 467	3.0		
MIP 361	3.0	MATH 102	4.0	MUSC 323	3.0		
MIP 375	3.0	MIP 293	3.0	STAT 201	4.0		
(UG) Natural Science Elective	3.0	(UG) Social Science Elective	3.0	(UG) Social Science Elective	3.0		
(UG) Free Elective	3.0						
	17		18		16		0

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ECON 202	4.0	MIP 374	3.0	COM 230	3.0	COOP EXPERIENCE	
FIN 301	4.0	MIP 376	3.0	MIP 376	3.0		
MIP 376	3.0	MIP 394	3.0	MIP 426	3.0		
MIP 395	3.0	(UG) Free Electives	9.0	MIP 468	3.0		
(UG) MIP Business Concentration Elective	3.0			(UG) Arts and Humanities Elective	3.0		
				(UG) Free Elective	3.0		
	17		18		18		0

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
MIP 366		MIP 491	3.0	MIP 491	3.0	Convert to Graduate Status	
MIP 491		(UG) MIP Business Concentration Elective	3.0	(UG) Arts and Humanities Elective	3.0		

Fall	Credits	Winter	Credits	Spring	Credits		
(UG) Arts and Humanities Elective	3.0	(UG) Social Science Elective	3.0	(UG) Free Elective	3.0		
(UG) MUSC Elective	3.0	BSAN 601	3.0	(UG) MIP Business Concentration Elective	3.0		
ACCT 510	2.0	ORGB 511	3.0	MGMT 520	2.0		
MKTG 510	2.0	(GR) Elective (counts as UG Free elective)	3.0	Awarded BS Degree	3.0		
MGMT 530	2.0						
	18		**18**		**14**		**0**

Fifth Year

Fall	Credits	Winter	Credits	Spring	Credits
FIN 601	3.0	BLAW 510	2.0	MGMT 770	2.0
POM 510	2.0	ECON 601	3.0	(GR) Concentration Requirements	6.0
(GR) Electives	5.0	(GR) Concentration Requirement	3.0	(GR) Experiential Elective	3.0
		(GR) Elective	3.0		
	10		**11**		**11**

Total Credits 234

User Experience and Interaction Design BS / Digital Media MS

Major: User Experience and Interaction Design and Digital Media
Degree Awarded: Bachelor of Science (BS) & Master of Science (MS)
Calendar Type: Quarter
Minimum Required Credits: 233.0
Co-op Options: One Co-op (Five years); Three Co-op (Five years)
BS Classification of Instructional Programs (CIP) code: 09.0702
BS Standard Occupational Classification (SOC) code: 11-9199
MS Classification of Instructional Programs (CIP) code: 11.0801
MS Standard Occupational Classification (SOC) code: 15-1134

About the Program

The program is a natural extension of our undergraduate program in User Experience & Interaction Design (UXID) and challenges students to push beyond what's known and into what's possible. It combines research with applicable skills in 21st century media applications and offers a mix of academic coursework and project-related activities in advanced digital design, including 3D modeling, animation, interactivity, gaming and digital media history, theory and methods.

Additional Information

For more information about this program, please contact Troy Finamore twf23@drexel.edu.

Admission Requirements

Students who wish to enter the accelerated program are required to have a minimum GPA of 3.5 and between 70 and 120 credits of completed undergraduate coursework.

Acceptance into the accelerated program is decided by the program director of the Digital Media MS program in consultation with the undergraduate program director in Interactive Digital Media as well as the Department's Graduate Admissions Committee.

Main criterium for acceptance is an evaluation of the student's prior academic performance and the student's likelihood of success within the program.

Degree Requirements

Required Undergraduate Courses

General Education Requirements		
CIVC 101	Introduction to Civic Engagement	1.0
COM 230	Techniques of Speaking	3.0
COOP 101	Career Management and Professional Development [*]	1.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0

or ENGL 113	English Composition III	
MATH 119	Mathematical Foundations for Design	4.0
PHYS 170	Electricity and Motion	3.0
PHYS 171	Computational Lab for Electricity and Motion	1.0
PHYS 175	Light and Sound	3.0
PHYS 176	Computational Lab for Light and Sound	1.0
PSY 330	Cognitive Psychology	3.0
UNIV A101	The Drexel Experience	2.0
Arts and Humanities elective **		3.0
History (HIST) elective (100-499)		4.0
Literature (ENGL) elective (100-499)		3.0
Social Science electives ***		6.0
Free electives		23.0
Art and Art History Requirements		
ARTH 103	History of Art III	3.0
ARTH 300 [WI]	History of Modern Design	3.0
ARTH 314	Contemporary Art	3.0
VSST 108	Design I for Media	3.0
VSST 109	Design II for Media	3.0
VSST 110	Introductory Drawing	3.0
Business & Management Requirements		
EAM 211	Strategic Management for Entertainment and Arts Management	3.0
Media Requirements		
FMTV 206	Audio Production and Post	3.0
INFO 110	Introduction to Human-Computer Interaction	3.0
PHTO 110	Photography	3.0
PROD 215	Design Thinking in Product Design	4.0
WEST 107	Maker Workshop	3.0
Digital Media Core Requirements		
ANIM 115	Introduction to Production with Animation & VFX	3.0
DIGM 105	Overview of Digital Media	3.0
DIGM 475 [WI]	Seminar: The Future of Digital Media	3.0
DIGM 490	Digital Media Senior Project †	9.0
DIGM 491	Digital Media Senior Project Studio †	3.0
GMAP 260	Overview of Computer Gaming	3.0
Interactive Digital Media Requirements		
IDM 211	User Interface Design I	3.0
IDM 212	User Interface Design II	3.0
IDM 213	Interaction Design	3.0
IDM 214	Human Factors Engineering	3.0
IDM 215	User Experience Design I	3.0
IDM 216	User Experience Design II	3.0
IDM 221	Web Design I	3.0
IDM 222	Web Design II	3.0
IDM 231	Scripting for Interactive Digital Media I	3.0
IDM 232	Scripting for Interactive Digital Media II	3.0
IDM 241	Microinteractions	3.0
IDM 250	Content Management Systems	3.0
IDM 371	Interactive Digital Media Workshop I	3.0
IDM 372	Interactive Digital Media Workshop II	3.0
IDM 401	Professional Practices in Interactive Digital Media	3.0
IDM 418	Storytelling for User Experience Design	3.0
Select three (3) of the following:		**9.0**
DIGM 308 [WI]	Digital Cultural Heritage	
DIGM 451 [WI]	Explorations in New Media	
EAM 315	Content Strategies for Digital Products	
IDM 101	History of Web Development	
IDM 240	Interactive Graphics	
IDM 245	Web Game Design	
IDM 311	User Interface Design for Immersive Media	
IDM 331	WebVR	
IDM 361	Interactive App Design I	

IDM 362	Interactive App Design II	
IDM 363	Interactive App Design III	
IDM 364	Interactive App Design IV	
IDM 381	Experimental Interactive Technologies	
IDM 382	Internet of Things	
IDM 402	Validating Product Ideas	
IDM 417	User Research Methodologies	
IDM I399	Independent Study in Interactive Digital Media	
IDM T380	Special Topics in Interactive Digital Media	
Required Graduate Courses		
Digital Media Core		
DIGM 501	New Media: History, Theory and Methods	3.0
DIGM 510	Designing for Interactivity	3.0
DIGM 511	Research Methods for Digital Media	3.0
Digital Media Specialization		**18.0**
Select 18.0 credits from the following list:		
Game Design and Development		
DIGM 530	Game Design I	
DIGM 531	Game Design II	
GMAP 545	Game Development Foundations	
GMAP 547	Serious Games	
GMAP 548	Experimental Games	
GMAP 560	Game Design from the Player's Perspective	
Animation and Immersive Media		
ANIM 588	Spatial Data Capture	
DIGM 525	Animation I	
DIGM 526	Animation II	
DIGM 547	Organic Modeling	
DIGM 560	Advanced Concepts and Applications in Interactive 3D Environments	
DIGM 616	Immersive World Building	
UX Design and Digital Cultural Heritage		
DIGM 508	Digital Cultural Heritage	
DIGM 520	Interactivity I	
DIGM 521	Interactivity II	
General Digital Media		
DIGM 591	Digital Media Skills Intensive	
DIGM I599	Independent Study in Digital Media	
DIGM I699	Independent Study in Digital Media	
DIGM T580	Special Topics in Digital Media	
DIGM T680	Special Topics in Digital Media	
New Media Project		
DIGM 540	New Media Project [††]	6.0
Thesis		
DIGM 680	Thesis Development	3.0
Directed Studies [±]		**9.0**
Total Credits		**233.0**

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

**   Select from 100-499 level courses, including T380-T480 in AFAS, ARCH, ARTH, COM, DANC, ENGL, FMST, GST, HIST, INTR, IST, JWST, LANG, LING, MENA, MUSC, PHIL, PHTO, PPE, PBHL, RELS, SCRP, THTR, TVST, VSCM, WGST, WRIT.

***   Select from 100-499 level courses, including T380-T480, in AFAS, ANTH, CJS, CS, ECON, ENSS, ENVS, PSCI, PSY, PBHL, SOC, WGST.

†   DIGM 490 and DIGM 491 are repeated three times each to complete the DIGM Capstone Senior Project sequence.

††   DIGM 540 is repeated two times.

±   Select from 500-600 level courses, including I599, I699, T580, T680 in ANIM, CS, DIGM, DSRE, GMAP, IDM, INFO.

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore

year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plan of Study

4+1, 1 co-op (Spring/Summer) (Accelerated program completed in 5 years)

Students complete undergraduate requirements in four years, then convert to graduate status in the fifth and final year.

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ENGL 101 or 111	3.0	ENGL 102 or 112	3.0	CIVC 101	1.0	VACATION	
IDM 211	3.0	IDM 212	3.0	DIGM 105	3.0		
INFO 110	3.0	PHTO 110	3.0	ENGL 103 or 113	3.0		
PROD 215	4.0	UNIV A101 (Program Specific)	1.0	IDM 213	3.0		
UNIV A101 (Department Specific)	1.0	VSST 109	3.0	MATH 119	4.0		
VSST 108	3.0	WEST 107	3.0	VSST 110	3.0		
	17		**16**		**17**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
EAM 211	3.0	ANIM 115	3.0	IDM 215	3.0	ARTH 103	3.0
FMTV 206	3.0	IDM 214	3.0	IDM 232	3.0	COM 230	3.0
GMAP 260	3.0	IDM 222	3.0	IDM 241	3.0	COOP 101[*]	1.0
IDM 221	3.0	IDM 231	3.0	IDM 418	3.0	IDM 216	3.0
PHYS 170	3.0	PHYS 175	3.0	(UG) Free Elective	3.0	IDM 250	3.0
PHYS 171	1.0	PHYS 176	1.0			(UG) IDM Elective	3.0
	16		**16**		**15**		**16**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARTH 300	3.0	ARTH 314	3.0	COOP EXPERIENCE		COOP EXPERIENCE	
DIGM 475	3.0	IDM 372	3.0				
IDM 371	3.0	(UG) Arts & Humanities Elective	3.0				
PSY 330	3.0	(UG) Free Elective	3.0				
(UG) IDM Elective	3.0	(UG) IDM Elective	3.0				
DIGM 501	3.0	DIGM 510	3.0				
	18		**18**		**0**		**0**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
DIGM 490	3.0	DIGM 490	3.0	DIGM 490	3.0	Student Classified as Graduate Status	
DIGM 491	1.0	DIGM 491	1.0	DIGM 491	1.0		
IDM 401	3.0	(UG) Free Electives	9.0	(UG) Free Electives	6.0		
(UG) Free Electives	5.0	(UG) Social Science Elective	3.0	(UG) Literature (ENGL) Elective	3.0		
(UG) History (HIST) Elective	4.0	DIGM 540	3.0	DIGM 511	3.0		
(GR) Digital Media Specialization	3.0			DIGM 540	3.0		
	19		**19**		**19**		**0**

Fifth Year

Fall	Credits	Winter	Credits	Spring	Credits
DIGM 591	2.0	DIGM 591	2.0	DIGM 591	2.0
DIGM 680	1.0	DIGM 680	1.0	DIGM 680	1.0

	Credits		Credits		Credits		Credits
(GR) Digital Media Specialization	3.0	(GR) Digital Media Specialization	3.0	(GR) Digital Media Specialization	3.0		
(GR) Directed Studies	3.0	(GR) Directed Studies	3.0	(GR) Directed Studies	3.0		
	9		9		9		

Total Credits 233

*   Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

5+0 Co-terminal Accelerated Program (Spring/Summer)

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ENGL 101 or 111	3.0	ENGL 102 or 112	3.0	CIVC 101	1.0	VACATION	
IDM 211	3.0	IDM 212	3.0	COOP 101*	1.0		
INFO 110	3.0	PHTO 110	3.0	DIGM 105	3.0		
PROD 215	4.0	UNIV A101 (Program Specific)	1.0	ENGL 103 or 113	3.0		
UNIV A101 (Department Specific)	1.0	VSST 109	3.0	IDM 213	3.0		
VSST 108	3.0	WEST 107	3.0	MATH 119	4.0		
		(UG) Free Elective	4.0	VSST 110	3.0		
	17		20		18		0

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
EAM 211	3.0	ANIM 115	3.0	COOP EXPERIENCE		COOP EXPERIENCE	
FMTV 206	3.0	IDM 214	3.0				
GMAP 260	3.0	IDM 222	3.0				
IDM 221	3.0	IDM 231	3.0				
PHYS 170	3.0	PHYS 175	3.0				
PHYS 171	1.0	PHYS 176	1.0				
(UG) Free Elective	4.0	(UG) Free Elective	4.0				
	20		20		0		0

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
IDM 215	3.0	ARTH 103	3.0	COOP EXPERIENCE		COOP EXPERIENCE	
IDM 232	3.0	COM 230	3.0				
IDM 241	3.0	IDM 216	3.0				
IDM 418	3.0	IDM 250	3.0				
(UG) Free Elective	3.0	(UG) IDM Elective	3.0				
DIGM 501	3.0	DIGM 510	3.0				
		DIGM 591	2.0				
	18		20		0		0

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARTH 300	3.0	ARTH 314	3.0	COOP EXPERIENCE		COOP EXPERIENCE	
DIGM 475	3.0	IDM 372	3.0				
IDM 371	3.0	(UG) Arts & Humanities Elective	3.0				
PSY 330	3.0	(UG) IDM Elective	3.0				
DIGM 540	3.0	DIGM 511	3.0				
DIGM 591	2.0	DIGM 540	3.0				
(GR) Digital Media Specialization	3.0	DIGM 591	2.0				
	20		20		0		0

Fifth Year

Fall	Credits	Winter	Credits	Spring	Credits
DIGM 490	3.0	DIGM 490	3.0	DIGM 490	3.0
DIGM 491	1.0	DIGM 491	1.0	DIGM 491	1.0
IDM 401	3.0	(UG) Free Electives	5.0	(UG) Free Electives	6.0

(UG) IDM Elective		3.0	(UG) History (HIST) Elective	4.0	(UG) Literature Elective	3.0
(UG) Social Science Elective		3.0	DIGM 680	1.0	DIGM 680	1.0
DIGM 680		1.0	(GR) Digital Media Specialization	3.0	(GR) Digital Media Specialization	3.0
(GR) Digital Media Specialization		3.0	(GR) Directed Studies	3.0	(GR) Directed Studies	3.0
(GR) Directed Studies		3.0				
	20		**20**		**20**

Total Credits 233

* Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.
COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

Minor in Animation and Visual Effects

About the Minor

The Animation and Visual Effects Minor requires the completion of eight courses (minimum 24.0 credits). The minor provides basic foundation in the technological, storytelling, and design skills used by 3D animators and visual effects artists in the highly competitive entertainment and design worlds, with the opportunity for individualized tailoring according to the student's interests.

For more information about this minor, please visit the Westphal minors (https://drexel.edu/westphal/academics/minors/) web page.

Program Requirements

Required Courses:

ANIM 100	Foundational Tools for Animation & VFX	3.0
or DIGM 100	Digital Design Tools	
or PHTO 141	Digital Photographic Post Production	
or VSCM 200	Computer Imaging II	
ANIM 110	Digital Imaging for Animation & VFX	3.0
ANIM 140	Computer Graphics Imagery I	3.0
ANIM 211	Animation I	3.0
Select four of the following:		12.0
ANIM 141	Computer Graphics Imagery II	
ANIM 145	Realtime Visualization	
ANIM 212	Animation II	
ANIM 214	Digital Character Creation	
ANIM 215	History of Animation	
ANIM 220	Digital Compositing I	
ANIM 221	Digital Compositing II	
ANIM 231	Scripting for Animation and Visual Effects	
ANIM 240	Lighting & Surfacing	
ANIM 247	Organic Modeling I	
ANIM 248	Advanced Lighting	
ANIM 314	Character Animation I	
ANIM 315	Character Animation II	
ANIM 347	Organic Modeling II	
ANIM 410	Advanced Compositing	
ANIM 411	Advanced Animation	
ANIM 412	Advanced Visual Effects	
ANIM 435	Technical Directing for Animation	
ANIM T280	Special Topics in Animation	
ANIM T380	Special Topics in Animation	
Total Credits		**24.0**

Minor in Architecture

About the Minor

A minor in Architecture gives students majoring in other disciplines an opportunity to explore architecture through a coherent sequence of coursework. The minor in Architecture can also be used for preparation towards professional graduate study in this field. Interested students should consult the Architecture program director for course selection and scheduling.

The minor requires design studio courses, courses in architectural history, and architectural elective courses. No more than 9.0 credits from a student's major can be used to fulfill the minor requirements.

Program Requirements

Required Courses

Required Architectural History Classes		9.0
ARCH 141	Architecture and Society I	
ARCH 142	Architecture and Society II	
ARCH 143	Architecture and Society III	
Required Architecture Studios *		12.0
ARCH 118	Architectural Design Foundations I	

ARCH 119	Architectural Design Foundations II	
ARCH 211	Architectural Representation I	
ARCH 181	Architecture Studio 1A	
OR		
ARCH 181	Architecture Studio 1A	
ARCH 182	Architecture Studio 1B	
ARCH 183	Architecture Studio 1C	
OR		
ARCH 183	Architecture Studio 1C	
ARCH 281	Architecture Studio 2A	
ARCH 282	Architecture Studio 2B	
Elective Architecture Courses [**]		3.0-6.0
Total Credits		**24.0-27.0**

[*]   Non-Design Majors will be required to take the following studios: ARCH 118, ARCH 119, ARCH 211 & ARCH 181
    Students who have successfully completed ARCH 192 or VSST 103 should start the studio sequence with ARCH 181
    Students who have successfully completed INTR 233 should start the studio sequence with ARCH 183

[**]   Electives can be chosen from the ARCH rubric if the prerequisite is satisfied.

Additional Information

For more information about the Minor in Architecture, contact the program's advisor:

Dr. Ulrike Altenmüller-Lewis
URBN Center, Suite 4A20J
us27@drexel.edu

Art History BA

Major: Art History
Degree Awarded: Bachelor of Arts (BA)
Calendar Type: Quarter
Minimum Required Credits: 181.0
Co-op Options: One Co-op (Four years)
Classification of Instructional Programs (CIP) code: 50.0703
Standard Occupational Classification (SOC) code: 25-4011

About the Program

The history of art explores the meanings, values, and purposes of the visual arts within the historical cultures that create them. Works of fine and applied arts are understood not merely as aesthetic forms, but as expressions of the social, economic, scientific, religious, and political contexts that gave rise to them. The study of art history thus effectively serves the high purposes of a liberal education by equipping students with an understanding of world cultures and their histories from multiple disciplinary perspectives, and by encouraging the development of critical thinking, reading, research, and writing skills.

The art history program has a uniquely flexible curricular design in that it permits students to pursue art history as either a Bachelor of Arts or a Bachelor of Science (p. 21) degree. The BA degree is intended for students wishing to become professional art historians or who wish to supplement the art history curriculum with other courses leading to a specific career path. The BS degree is designed to allow students to combine the art history major with another major or to tailor the curriculum to their specific interests and aspirations. Both the BA and BS degrees require a total of 181.0 credit hours.

Bachelor of Arts

The BA degree requires 60.0 credit hours of art history, 75.0 credit hours of General Education courses, and 46.0 credit hours of Free Electives. The BA degree requires a strong component of Arts and Humanities courses in order to prepare students to enter the professional world of art historians by exposing them to critical reasoning, philosophy, anthropology, literature, world cultures, and foreign languages. The 46.0 credit hours of Free Electives can be used under faculty advisement to take additional art history courses, develop special competencies and areas of interest (e.g., race and gender studies; the histories of technology, science and philosophy; Asian or Africana studies; writing, literature, and criticism; design history; museum studies, etc.), or gain competencies in various applied or technical areas. This BA program requires two 3-month co-ops.

Additional Information

More information about the Art History program (https://drexel.edu/westphal/academics/undergraduate/ARTH/) is available.

Degree Requirements (BA)

General education requirements

ANTH 101	Introduction to Cultural Diversity	3.0
COOP 101	Career Management and Professional Development	1.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
HIST 161	Themes in World Civilization I	4.0
HIST 162	Themes in World Civilization II	4.0
or HIST 163	Themes in World Civilization III	
PHIL 105	Critical Reasoning	3.0
PHIL 110	Introduction to Philosophy	3.0
PSCI 120	History of Political Thought	4.0
UNIV A101	The Drexel Experience	2.0
ENGL: Non-Western Literature Elective		3.0
ENGL: Western Literature Elective		3.0
Mathematics and Natural Science		12.0
Required Arts and Humanities-students elect a minimum of 6 credits		6.0
Foreign Language		12.0
Social Sciences		6.0
Electives		46.0
Art History requirements		
ARTH 477	Art History Seminar	3.0
VSST 100	Introduction to Art & Design	3.0
or VSST 107	Introduction to Design for Media	
or VSST 110	Introductory Drawing	
Foundation Survey Courses		15.0
ARCH 141	Architecture and Society I	
ARTH 101	History of Art I	
ARTH 102	History of Art II	
ARTH 103	History of Art III	
ARTH 301	Asian Art and Culture	
Methods Courses		6.0
ARTH 150	Building Skills in Object Analysis	
ARTH 200	Principles and Methods of Art History	
Design History (select one)		3.0
ARTH 300 [WI]	History of Modern Design	
ARTH 331 [WI]	Global Material Culture	
Global Art and Cultures (select one)		3.0
ARTH 314	Contemporary Art	
ARTH 340	Women in Art	
Arts of Europe and the Americas (select one)		3.0
ARTH 313	20th Century Art	
ARTH 315	History of African-American Art	
ARTH 318	Latin American Art	
ARTH 325	Ancient Greek and Roman Art	
ARTH 327	Italian Renaissance Art	
Arts of Asia and Africa (select one)		3.0
ARTH 302	Art of India	
ARTH 303	Art of China	
ARTH 304	Art of Japan	
ARTH 316	African Art	
Art History Electives - select 7 more courses either from the requirements areas (not already taken as a requirement) or from the following		**21.0**
Media Arts & Design		
ARTH 335 [WI]	History of Costume I: Preclassical to 1800	
ARTH 336 [WI]	History of Costume II: 1800-1920	
ARTH 337	History of Costume III: 1920 to Present	
FMST 101	Film History I: Emergence	

FMST 102	Film History II: New Waves	
FMST 203	Film History III: Trends	
PHTO 275 [WI]	History of Photography I	
PHTO 276 [WI]	History of Photography II	
VSCM 350 [WI]	Graphic Design: 20th Century and Beyond	
Western Art: Ancient to Modern		
ARTH 326	Medieval Art	
ARTH 328	Northern Renaissance	
Modern/Contemporary/Theory/Criticism		
ARTH 314	Contemporary Art	
ARTH 315	History of African-American Art	
Asia, Africa, Latin America		
ARTH 302	Art of India	
ARTH 303	Art of China	
ARTH 304	Art of Japan	
ARTH 316	African Art	
Advanced Course Work		
ARTH 400	Art History Senior Thesis	
ARTH T380	Special Topics in Art History	
ARTH T480	Special Topics in Art History	
ARTH I399	Independent Study in Art History	
ARTH I499	Independent Study in Art History	
Architecture		
ARCH 142	Architecture and Society II	
ARCH 143	Architecture and Society III	
ARCH 144	Architecture and Society IV	
ARCH 340	American Architecture & Urbanism	
ARCH 346 [WI]	History of Philadelphia Architecture	
ARCH T480	Special Topics in Architecture	
Total Credits		**181.0**

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plan of Study (BA)

First Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ANTH 101	3.0	ARTH 102	3.0	ARTH 103	3.0	VACATION	
ARTH 101	3.0	ENGL 102 or 112	3.0	ARTH 150	3.0		
ENGL 101 or 111	3.0	HIST 162 or 163	4.0	ENGL 103 or 113	3.0		
HIST 161	4.0	PHIL 105	3.0	Arts and Humanities Elective	3.0		
PHIL 110	3.0	UNIV A101	1.0	Social Science Elective	1.0		
UNIV A101	1.0	Natural Science Elective	3.0		3.0		
	17		**17**		**15**		**0**

Second Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
ARCH 141	3.0	ARTH 200	3.0	PSCI 120	4.0	COOP EXPERIENCE	
ARTH 301	3.0	Arts and Humanities Elective	3.0	ENGL (Non-Western Literature)	3.0		
COOP 101[*]		Foreign Language	1.0	Foreign Language	4.0		4.0

Foreign Language	4.0	MATH	3.0	Art History Requirement	3.0		
MATH	3.0	Natural Science	3.0				
VSST Requirement	3.0						
	17		**16**		**14**		**0**

Third Year

Fall	Credits	Winter	Credits	Spring	Credits	Summer	Credits
Art History Requirements	6.0	Art History Requirements	3.0	ARTH 300 or 331	3.0	COOP EXPERIENCE	
Free Electives	6.0	Free Electives	12.0	Art History Elective	3.0		
				Free Electives	7.0		
	12		**15**		**13**		**0**

Fourth Year

Fall	Credits	Winter	Credits	Spring	Credits
Art History Electives	6.0	Art History Electives	6.0	Art History Electives	6.0
ENGL (Western Literature)	3.0	Free Electives	9.0	Free Electives	9.0
Social Science Elective	3.0				
Elective	3.0				
	15		**15**		**15**

Total Credits 181

*   COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

Co-op/Career Opportunities

Co-op Opportunities

Drexel's enviable geographical location in the northeast corridor of the United States provides a distinct advantage for an art history program because of the proximity of many important Museums, galleries, and auction houses. The Philadelphia Museum of Art, Pennsylvania Academy of the Fine Arts, Barnes Foundation, Rodin Museum, Institute of Contemporary Art, and the Penn Museum of Archeology and Anthropology are all local and easily accessible. Museums, galleries and auction houses in New York, Washington, Baltimore and other east coast centers are all within a reasonable distance by train, bus, or car. These institutions will offer students an abundance of opportunities for first-hand study of the major collections of art, architecture, and design. Proximity to these institutions can also provide for many choice opportunities for cooperative education experiences.

Some possibilities include:

- Barnes Foundation
- Philadelphia Museum of Art
- Pennsylvania Academy of the Fine Arts
- American Philosophical Society
- Moderne Gallery
- Calderwood Gallery
- RagoArts Auction House, Lambertville, NJ
- Twelve Gates Gallery for Contemporary South Asian Art
- Newark Museum, NJ
- Metropolitan Museum of Art
- Brooklyn Museum
- Mural Arts Program
- Asia Society NY
- Christie's NY

Career Opportunities

A major in art history can prepare students for a wide variety of careers, as well as preparation for graduate school.

Possible career paths:

- Museum Administrator
- Gallery Director
- Curator

- Museum Registrar
- Museum Educator
- Art Consultant
- Art Librarian
- Editor
- Art and/or Intellectual Property Law
- Artist Representative
- Non-profit and governmental organizations
- Teacher (K-12)
- Teacher/Researcher (college and university)

As a particularly broad humanities discipline, art history serves as an outstanding pre-professional degree, providing excellent preparation for a wide variety of professions, such as law, medicine, education and library science.

Visit the Drexel Steinbright Career Development Center (http://www.drexel.edu/scdc/) page for more detailed information on co-op and post-graduate opportunities.

Art and Art History Faculty

Jennifer Blazina, MFA *(Cranbrook Academy of Art, Bloomfield Hills, MI)*. Professor. Coordinator of printmaking, fine arts.

Pia Brancaccio, PhD *(Istituto Universitario Orientale, Naples, Italy)*. Associate Professor. South Asian art.

Lewis Colburn, MFA *(Syracuse University) Sculpture Area Coordinator*. Associate Professor. Sculpture, 3D design.

Anda Dubinskis, MFA *(University of Pennsylvania) Drawing Area Coordinator*. Teaching Professor. Drawing.

Derek Gillman, MA, LLM *(University of Oxford)*. Distinguished Visiting Professor. Visual studies.

Joseph F. Gregory, PhD *(SUNY at Binghamton) Program Director*. Associate Professor. Early Modern and Modern European Art.

Linda Kim, PhD *(University of California, Berkeley)*. Associate Professor. American art, African art.

Joseph H. Larnerd, PhD *(Stanford University)*. Assistant Professor. History of design and material culture.

Jacob Lunderby, MFA *(University of Minnesota)*. Assistant Teaching Professor. Drawing

Orlando Pelliccia, MFA *Director of the Leonard Perlstein Gallery; Materials Coordinator*. Associate Teaching Professor. Multimedia.

Bruce W. Pollock, M.F.A. *(Tyler School of Art, Temple University) Painting Area Coordinator; Fine Arts Minor Advisor*. Associate Professor. Abstract painting and drawing.

Delia Solomons, PhD *(Institute of Fine Arts, New York University)*. Assistant Professor. Contemporary art, Latin American art.

Sarah Steinwachs, MFA *(Yale University) Department Head of Art and Art History*. Associate Professor. Drawing, painting and design.

Mark Stockton, MFA *(Syracuse University) Design for Media Area Coordinator*. Associate Teaching Professor. Drawing, painting, and design.

Joshua Weiss, MFA *(Yale University)*. Associate Teaching Professor. Drawing, painting and design.

Ricardo Zapata, MFA *(The University of Pennsylvania)*. Assistant Teaching Professor.

Emeritus Faculty

Mark Brack, PhD *(University of California at Berkeley)*. Professor Emeritus. British and American architecture from 1700 to the present; Hispanic colonial architecture in the American Southwest; vernacular architecture; historic preservation.

Lydia Hunn, MFA *(University of Pennsylvania) Multimedia Area Coordinator*. Professor Emerita. Installations, sculpture, painting and drawing.

Charles Morscheck, PhD *(Bryn Mawr College) Art History Program Co-Director*. Professor Emeritus. Italian Renaissance art.

Blaise J. Tobia, MFA *(University of California, San Diego) Director of the Digital Media Program*. Professor Emeritus. Photo-based works, design, art theory.

Minor in Dance

About the Minor

The minor in dance offers students an opportunity to explore dance in the studio through technique classes, and in the classroom through academic classes in dance. Participation in the dance ensemble class(s) is required, although performance with the ensemble is not. There is no audition for the dance minor program.

For more information about this minor, please visit the Westphal minors (https://drexel.edu/westphal/academics/minors/) web page.

Required Courses		
DANC 104	Ballet Technique I	2.0
DANC 105	Modern Dance Technique I	2.0
DANC 106	Jazz Dance Technique I	2.0
or DANC 107	Hip-Hop Dance Technique I	
DANC 115	Introduction to Dance	3.0
DANC 135	Rhythmic Study for Dance	3.0
DANC 235	Dance Composition I	3.0
DANC 315	Twentieth Century Dance	3.0
THTR 240	Theatre Production I	3.0
Electives in Dance (DANC 104-DANC T480)		3.0
Dance Practicum (6 terms from DANC 131-DANC 133)		0.0
Total Credits		**24.0**

Minor in Entertainment & Arts Management

About the Minor

Drexel's Entertainment & Arts Management (EAM) minor program gives students an introduction to the challenging industry of entertainment and arts business. The selected curriculum gives students a basis in entertainment finance, promotion, business planning, intellectual property rights, cultural literacy, and artist representation. Students in Drexel's EAM minor do not choose concentrations but rather take a core selection of classes and then select nine hours of electives in order to customize their learning.

The EAM minor is open to all undergraduate students in the Drexel University system; no prerequisites are required but departmental approval is needed.

Interested students should contact EAM professor Dr. Brea Heidelberg at bmh29@drexel.edu to schedule a meeting to discuss adding the EAM minor.

Program Requirements

EAM 130	Overview of Entertainment and Arts Management	3.0
EAM 211	Strategic Management for Entertainment and Arts Management	3.0
EAM 220	Law for Entertainment and Arts Management Managers	3.0
EAM 340	Artist Representation and Management	3.0
EAM 422	Human Resources in the Creative Industries	3.0
Select three courses from the following:		9.0
EAM 215 [WI]	Writing for Arts Managers	
EAM 200	Introduction to the Music Industry	
EAM 221	Copyrights and Trademarks	
EAM 225	Financial Management for Entertainment & Arts Managers	
EAM 270	Audience Development for Arts	
EAM 288	eSport Entertainment Management	
EAM 295	Streaming Entertainment Management	
EAM 301	Gallery and Collection Management	
EAM 302	Exhibition Design	
EAM 308 [WI]	Entertainment Promotion and Branding	
EAM 310	Social Media in Entertainment	
EAM 312	Introduction to Fund Development for the Arts	
EAM 313	Volunteer and Board Management	
EAM 315	Content Strategies for Digital Products	
EAM 321	Box Office and Venue Management	
EAM 322	Performing Arts Touring	
EAM 325	Producing for Live Entertainment	

EAM 338	Entertainment Enterprise
EAM 365	Media and Entertainment Business
EAM 420	Arts, Culture and Society
EAM 461	Entertainment Publishing
EAM 471	Fine Arts Market Development
EAM T380	Special Topics in Entertainment & Arts Management
EAM T480	Special Topics in Entertainment & Arts Management
Total Credits	**24.0**

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Minor in Esports

About the Minor

Esports is establishing itself as an industry with significant global implications that draws from a variety of disciplines including digital media, game design, and sports management, as well as entertainment management. This minor provides students with a comprehensive understanding of the core foundational areas of this emerging field.

Students must be enrolled in an undergraduate major at Drexel.

For more information about this minor, please visit the Westphal minors (https://drexel.edu/westphal/academics/minors/) web page.

Program Requirements

Required Courses		
EAM 365	Media and Entertainment Business	3.0
GMAP 260	Overview of Computer Gaming	3.0
SMT 120	The Business of Esport	4.0
Electives		**14.0**
DIGM 350 [WI]	Digital Storytelling	
EAM 211	Strategic Management for Entertainment and Arts Management	
EAM 220	Law for Entertainment and Arts Management Managers	
EAM 308 [WI]	Entertainment Promotion and Branding	
EAM 315	Content Strategies for Digital Products	
GMAP 301	Game History	
GMAP 345	Game Development Foundations	
GMAP 360	Game Design from the Player's Perspective	
GMAP 395	Advanced Game Design and Production	
SMT 201	Sports Marketing, Promotion, and Public Relations	
SMT 262	Digital Sports Storytelling	
SMT 275	Sports Event Management	
TVPR 236	Reality TV Production	
Total Credits		**24.0**

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Minor in Film Studies

About the Minor

The Minor in Film Studies comprises courses that cover the major artistic and institutional developments in cinema from its late-nineteenth-century origins to the present. As these courses cover a variety of critical topics that are essential to any film studies curriculum—such as the study of major genres and auteurs, and the technologies and techniques contributing to the development of the medium, as well as the historical circumstances that influenced the cinema's evolution since its inception—they will establish a sound critical foundation for students to choose and to flourish in the subsequent courses required for the minor.

The Minor in Film Studies is open to all University students.

For more information about this minor, please visit the Westphal minors (https://drexel.edu/westphal/academics/minors/) web page.

Program Requirements

Required Courses:

FMST 101	Film History I: Emergence	3.0
or FMST 105	Film History & Theory I	
FMST 102	Film History II: New Waves	3.0
or FMST 205	Film History & Theory II	
FMST 250	Documentary Studies	3.0
Select five of the following:		15.0
FMST 203	Film History III: Trends	
FMST 260	The Western	
FMST 262	Film Comedy	
FMST 266	The Cinematographer's Art	
FMST 290	Hollywoodland I	
FMST 291	Hollywoodland II	
FMST 352	The Horror Film	
FMST 355	Contemporary Cinema	
FMST T180	Special Topics in Film Studies	
FMST T280	Special Topics in Film Studies	
FMST T380	Special Topics in Film Studies	
FMST T480	Special Topics in Film Studies	
Total Credits		**24.0**

Minor in Film & Television Production

About the Minor

The minor in Film & Television Production will introduce students to the core production skills of cinematic storytelling. After a foundation in screenwriting, cinematography, editing, and sound, students will have room to gain intermediate experiences in the areas of their choice.

Admission Requirements

The Film & Television Production minor is open to all University students.

For more information about this minor, please visit the Westphal minors (https://drexel.edu/westphal/academics/minors/) web page.

Program Requirements

Required Courses

FMTV 110	Basic Cinematography	3.0
FMTV 115	Basic Editing	3.0
FMTV 120	Basic Sound	3.0
SCRP 270 [WI]	Screenwriting I	3.0

Four of the following courses:		**12.0**
FMTV 131	Multi-Camera Production	3.0
FMTV 210	Intermediate Cinematography	3.0
FMTV 211	Intermediate Lighting	3.0
FMTV 215	Intermediate Editing	3.0
FMTV 220	Intermediate Sound	3.0
FMTV 270	Basic Directing	3.0
FMTV 280	Basic Producing	3.0
Total Credits:		24.0

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Minor in Film & Television Studies

About the Minor

The minor in Film & Television Studies allows students to explore cinema and television history while engaging in critical analysis. After the foundation courses, students will have opportunity to explore areas of interest based on genre, historical periods, and artists.

Admission Requirements

The Film & Television Studies minor is open to all University students.

For more information about this minor, please visit the Westphal minors (https://drexel.edu/westphal/academics/minors/) web page.

Program Requirements

Required Courses:		
FMST 101	Film History I: Emergence	3.0
FMST 102	Film History II: New Waves	3.0
TVST 100	Recent TV Trends	3.0
Select five of the following:		15.0
FMST 203	Film History III: Trends	3.0
FMST 250	Documentary Studies	3.0
FMST 260	The Western	3.0
FMST 256	Films of Gus Van Sant	3.0
FMST 266	The Cinematographer's Art	3.0
FMST 290	Hollywoodland I	3.0
FMST 291	Hollywoodland II	3.0
FMST 293	Japanese Cinema: Kurosawa	3.0
FMST 352	The Horror Film	3.0
TVST 260	History of Television	3.0
TVST 361	Art of TV Comedy	3.0
TVST 362	Art of TV Drama	3.0
TVST 368	Supernatural Fantasy TV Shows	3.0
FMST T280	Special Topics in Film Studies	3.0-12.0
or FMST T380	Special Topics in Film Studies	
TVST T280	Special Topics in TV Studies	0.0-12.0
or TVST T380	Special Topics in TV Studies	
Total Credits:		24.0

Minor in Fine Arts

About the Minor

The Fine Arts minor enables students to develop skills and concepts in the studio arts. Students in studio courses learn to combine skills in using tools and materials, visual theoretical concepts, and new technologies, all of which are necessary for design professionals.

To be eligible for the minor in Fine Arts, a student must have completed a minimum of 30.0 undergraduate credits, have a declared major, and have a minimum GPA of 2.7. The academic credit requirements for the minor must be completed at or before the time of graduation.

Basic design prerequisite courses are required for many programs in Westphal College and some of these may already have been taken for a student's major; however, only 9.0 credits of major-related coursework can be applied to the credits required for the minor in Fine Arts. Students with design credits from other schools or departments may be allowed to apply them to their prerequisite requirements only upon review by the Fine Arts minor faculty advisor.

For more information about this minor, please visit the Westphal minors (https://drexel.edu/westphal/academics/minors/) web page.

Program Requirements

Required Courses

VSST 101	Design I	4.0
or VSST 108	Design I for Media	
VSST 110	Introductory Drawing	3.0
Select a minimum of an additional 17.0 credits from the following:		**17.0**

PHTO 110	Photography	
PHTO 210	Intermediate Photography	
PHTO 230	Color Photography I	
PHTO 236	Photojournalism	
VSST 102	Design II	
VSST 103	Design III	
VSST 109	Design II for Media	
VSST 111	Figure Drawing I	
VSST 112	Figure Drawing II	
VSST 201	Multimedia: Performance	
VSST 202	Multimedia: Space	
VSST 203	Multimedia: Materials	
VSST 301	Painting I	
VSST 302	Painting II	
VSST 303	Painting III	
VSST 304	Materials Exploration	
VSST 309	Sculpture: CNC Fabrication	
VSST 310	Sculpture: Metal Fabrication	
VSST 311	Sculpture I	
VSST 312	Sculpture II	
VSST 313	Sculpture III	
VSST 321	Screenprint I	
VSST 322	Printmaking I	
VSST 323	Printmaking II	
VSST 324	Advanced Printmaking	
VSST 325	Screenprint II	
VSST I399	Independent Study in Visual Studies	
VSST T480	Special Topics in Visual Studies	
Total Credits		**24.0**

Minor in Graphic Design

About the Minor

The Graphic Design minor features individualized investigation of medium, content, context, and technology. It emphasizes critical thinking, analytical reasoning, written and oral communication skills, integrity, and ethics while instructing technology as a tool.

The minor offers coursework focusing on the connection between graphic design and technology with instruction in digital design tools, composition, corporate identity, typography, publication design, and photography. Recommended electives include Computer Imaging 2, Web Graphics I, Drawing, and Design History.

The Graphic Design minor is available to all Drexel University students and requires the completion of seven courses for a minimum of 24.0 credits. The Graphic Design minor takes 2+ years to complete.

Program Requirements

Select one VSST course *		3.0
VSST 100	Introduction to Art & Design	
VSST 102	Design II	
VSST 107	Introduction to Design for Media	
VSST 109	Design II for Media	
PHTO 110	Photography	3.0
VSCM 230	Visual Communication I	4.0
VSCM 231	Visual Communication II	4.0
VSCM 232	Visual Communication III	4.0
VSCM 240	Typography I	3.0
WEST 100	Introduction to Digital Design Tools	3.0
Recommended Electives: *		
VSCM 200	Computer Imaging II	
VSCM 220	Web Graphics I	
VSCM 242	Typography II	

VSCM 332	Visual Communication IV	
VSCM 350 [WI]	Graphic Design: 20th Century and Beyond	
Total Credits		**24.0**

*   Westphal students and others who have taken VSST 102, VSST 107 or VSST 109 should complete a recommended elective.

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Additional Information

For more information, contact program director Bill Rees (wbr24@drexel.edu).

Please note, that a meeting with Bill Rees, the Graphic Design Program Director, is required before enrolling in the Graphic Design minor.

Minor in Jazz and African-American Music

About the Minor

Not accepting students for AY23-24

The minor in Jazz and African-American music takes advantage of Drexel faculty expertise in those areas. This minor can include course work in jazz history, African-American music, jazz theory, private study in jazz performance, and ensemble work in several ensembles devoted to jazz.

MUSC 121	Music Theory I	3.0
MUSC 125	Ear Training I	1.0
MUSC 126	Ear Training II	1.0
MUSC 196	Jazz Class Piano	2.0
MUSC 241	Private Lesson (3 terms)	6.0
MUSC 300	Improvisation	3.0
MUSC 331	World Musics	3.0
MUSC 333	Afro-American Music USA	3.0
MUSC 336	History of Jazz	3.0
Ensembles*		
Total Credits		**25.0**

*   6 terms of MUSC 107 and/or MUSC 108, MUSC 112, MUSC 115

Minor in Merchandising

About the Minor

The Merchandising Minor, administered by the Design & Merchandising program, provides core foundations for the fashion lifestyle industries including retail, ecommerce and wholesale operations, buying and merchandise planning. Students develop key competencies in brand strategy from concept to consumer including marketplace research, competitive analysis, retail math, assortment planning, product sourcing, inventory allocation and merchandising analytics. The curriculum allows the opportunity for individualized tailoring with course options in DSMR Special Topics including Sustainability & the Circular Economy, Beauty Merchandising, Retail Globalization, Immersive Media & Merchandising and Design and Merchandising Leadership. The minor is open to all Drexel University students and requires the completion of eight or nine courses for a minimum of 25.0 credits. Students will need at least 2 years to complete the minor requiring enrollment by the start of the Junior year.

All courses are currently open to all DSMR students. DSMR 231 and DSMR 232 are required for all students enrolled in DSMR and the Merchandising minor. Elective courses are offered only in certain quarters. Students are required to submit an approved plan of study with the minor advisor. All

courses will be restricted to appropriately include the students enrolled in the Merchandising minor. As the industry and curriculum change, courses will be added and adapted accordingly.

NOTE: The minor was built to accommodate students from outside the major. DSMR students cannot do a major and a minor in the same field of study.

Additional Information

For more information about this major, visit the Westphal College of Media Arts and Design (http://www.drexel.edu/westphal/) for more information.page.

Program Requirements

Required Courses:

DSMR 231	Retail Operations *	3.0
DSMR 232	Merchandise Planning and Buying *	4.0
Select 6 courses:		**18.0-19.0**
DSMR 103	Introduction to the Fashion Industry	
DSMR 201	Analysis of Product	
DSMR 215	Digital Commerce & Promotion	
DSMR 233 [WI]	Branding and Retail Strategies	
DSMR 310	Merchandising Operations & Management	
DSMR 311	Visual Merchandising	
DSMR 324	Retail Intersections: Social & Cultural Issues	
DSMR 333	Fashion Product Development and Sourcing	
DSMR 464	Merchandising Analytics	
DSMR 477 [WI]	Design and Merchandising Seminar	
Total Credits		**25.0-26.0**

*	All courses are currently open to all DSMR students. DSMR 231 and DSMR 232 are required for all students enrolled in DSMR and the Merchandising minor. Elective courses are offered only in certain quarters. Students are required to review an approved plan of study with the minor advisor. All courses will be restricted to appropriately include the students enrolled in the retail minor. As the industry and curriculum change, courses will be added and adapted accordingly.
NOTE:	The minor was built to accommodate students from outside the major. DSMR students cannot do a major and a minor in the same field of study.

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Minor in Music

About the Minor

The minor in Music requires 26.0 credits, including work in music theory, history, applied music (class or private lessons), and ensemble performance, as well as 6.0 credits of music electives.

MUSC 121	Music Theory I	3.0
MUSC 125	Ear Training I	1.0
MUSC 126	Ear Training II	1.0
MUSC 331	World Musics	3.0
MUSC 231	European Classical Music History I	3.0
MUSC 232	European Classical Music History II	3.0
MUSC 241	Private Lesson (Students take 3 terms)	6.0
Music electives		6.0

Ensembles (Six terms from MUSC 101 to MUSC 118)		0.0
Total Credits		**26.0**

Minor in Music Performance

About the Minor

The minor in Music Performance requires two years of private lessons study with our artist faculty, culminating in a recital. This minor is suited for students with a considerable background consisting of years of private instruction and music major caliber repertoire. Students must contact the Music Program Director (https://drexel.edu/westphal/about/directory/AbruzzoLuke/) and be approved to pursue this minor.

Required Courses

MUSC 121	Music Theory I	3.0
MUSC 125	Ear Training I	1.0
MUSC 126	Ear Training II	1.0
MUSC 241	Private Lesson (5 terms)	10.0
MUSC 231	European Classical Music History I	3.0
MUSC 232	European Classical Music History II	3.0
MUSC 331	World Musics	3.0
MUSC 342	Applied Music-Recital	2.0
Ensembles (six terms from MUSC 101 to MUSC 118))		0.0
Total Credits		**26.0**

Minor in Music Theory and Composition

About the Minor

The minor in Music Theory and Composition is aimed at people who are writing their own music or who would like to begin doing so. Students will take courses in music theory, arranging, composition, and digital composition, and end with a portfolio of several completed pieces.

For more information, please visit the Westphal minors (https://drexel.edu/westphal/academics/minors/) web page.

Requirements

MUSC 121	Music Theory I	3.0
MUSC 122	Music Theory II	3.0
MUSC 229	Modern Arranging Techniques	3.0
MUSC 125	Ear Training I	1.0
MUSC 249	Digital Music Composition	3.0
MUSC 231	European Classical Music History I	3.0
MUSC 232	European Classical Music History II	3.0
MUSC 252	Music Composition	3.0
MUSC 331	World Musics	3.0
MUSC 241	Private Lesson (*)	2.0
Ensembles [**]		
Total Credits		**27.0**

*	Students are strongly encouraged to register for the section designated for composition.
**	Ensembles (6 terms from MUSC 101 to MUSC 118)

Minor in Performing Arts

About the Minor

Designed for the student who wishes to explore the fields of dance, music, and theatre rather than specialize in one area, the minor in Performing Arts provides motivated students the opportunity to learn about all three areas while performing for two years in one or more of the department's performing groups.

Program Requirements

Required Courses

DANC 115	Introduction to Dance	3.0
MUSC 130	Introduction to Music	3.0

Applied music (two terms selected from MUSC 241 / MUSC 242)		4.0
THTR 115	Theatrical Experience	3.0
Theatre Elective		3.0
Dance Elective		3.0
Performing Arts Electives		7.0
Performing Arts Practicum [*]		0.0
Total Credits		**26.0**

[*]   Performing arts practicum (6 terms from MUSC 101 - MUSC 115, THTR 130 , and/or DANC 131 - DANC 133).

Additional Information

For more information about this minor, please contact:

Dr. Miriam Giguere
Professor, Department Head
Department of Performing Arts
danceprogram@drexel.edu (http://catalog.drexel.edumalto:danceprogram@drexel.edu)

Minor in Photography

About the Minor

The minor in Photography gives students a thorough understanding of photographic practices using a combination of aesthetics and technology. This flexible minor has been developed to accommodate both Antoinette Westphal College of Media Arts and Design majors as well as majors from any other college. It is an excellent choice for students who are majoring in marketing, communications, and journalism. Many employers in these fields now routinely request that candidates have a good working knowledge of Photoshop and photographic practices.

For more information about this minor, please visit the Westphal minors (https://drexel.edu/westphal/academics/minors/) web page.

Program Requirements

PHTO 110	Photography	3.0
PHTO 141	Digital Photographic Post Production	3.0
PHTO 210	Intermediate Photography	3.0
PHTO 230	Color Photography I	3.0
PHTO 234	Studio Photography	4.0
PHTO 236	Photojournalism	3.0
PHTO 240	Digital Photography II	3.0
Please select one of the following:		3.0
PHTO 275 [WI]	History of Photography I	
PHTO 276 [WI]	History of Photography II	
PHTO 451	Photography and Business	
PHTO 452 [WI]	History of Contemporary Photography	
Total Credits		**25.0**

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Minor in Playwriting

About the Minor

The minor in Playwriting is intended to guide students from the acquisition of foundational playwriting skills through the completion of a full-length stage play. Fifteen of the credits are directly craft-oriented, teaching students what they need to know to translate their ideas into a format suitable for production on the stage; the other 9.0 credits are dedicated to background knowledge intended to inform creative thinking and develop a student's individual voice.

Students pursuing a Theater minor should note that common courses in the Playwriting minor make this course of study a relatively simple addition to their education.

The Playwriting minor is open to all students in the University.

Additional Information

For more information about this minor, contact the program director:

Matthew J. Kaufhold (http://drexel.edu/westphal/about/directory/KaufholdMatthew/)
Screenwriting and Playwriting Program
Department of Cinema & Television
Antoinette Westphal College of Media Arts & Design
215-895-2882
kaufhold@drexel.edu

Program Requirements

SCRP 220	Playwriting I	3.0
SCRP 225	Playwriting II	3.0
SCRP 230	Page to Stage	3.0
SCRP 382	Playwriting Workshop I	3.0
SCRP 383	Playwriting Workshop II	3.0
THTR 121 [WI]	Dramatic Analysis	3.0
Choice of 2 classes from:		**6.0**
ENGL 216 [WI]	Readings in Drama	
ENGL 315 [WI]	Shakespeare	
THTR 209	Improvisation for the Theatre	
THTR 210	Acting: Fundamentals	
THTR 212	Sketch Comedy	
Total Credits		**24.0**

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Minor in Product Design

About the Minor

Students in this minor—through a combination of three studio courses and four applied lecture courses—learn to combine skills in creative problem solving with a visual and human-centered product design process. Students develop product concepts and collaborate on the development of product ideas, including the creation and integration of new technologies, sustainability, health-care and socially responsible design, all of which are beneficial for design professionals.

The minor is specifically created to offer students a unique multi-disciplinary studio experience. Students will develop skills in the rapid visualization of ideas, creative problem solving, transformative design thinking and an understanding of the product development process in a collaborative setting. This minor is offered to all students having an interest in developing product ideas, including students from the College of Engineering, the LeBow College of Business, and the School of Biomedical Engineering as well as College of Media Arts and Design students who would like to add a product focus to their design degree.

Academic requirements

To be eligible for the minor in Product Design, a student must have completed a minimum of 30.0 undergraduate credits, have declared a major, and have a minimum GPA of 2.7. No prerequisite courses are required. Students may be encouraged to augment or prepare for this minor. A Spring/Summer co-op cycle is needed to enroll in required minor courses and the program will assist students to make a co-op cycle switch if necessary. Only upon review by the faculty advisor for the minor will students with design credits from other institutions or departments be allowed to apply these to the requirements.

Program Requirements

Required courses

PROD 101	History and Analysis of Product Design	3.0
PROD 210	Introduction to Product Design	3.0
PROD 215	Design Thinking in Product Design	4.0
PROD 235	Applied Design Visualization	3.0
Select one of the following:		3.0
PROD 205	Applied Making I	
WEST 107	Maker Workshop	
Select two of the following:		8.0
PROD 220	Product Design Form Studio	
PROD 230	Product Design Process Studio	
PROD 240	Smart Product Design	
PROD 340	Interdisciplinary Product Design Studio	
Total Credits		**24.0**

Additional Information

For more information and to set up an initial minor advising meeting, contact Alexandra Schmidt-Ullrich, Co-Director for Product Design, as435@drexel.edu (http://catalog.drexel.edumalto:as435@drexel.edu) .

Minor in Screenwriting

About the Minor

The minor in Screenwriting is intended to guide students from the acquisition of foundational screenwriting skills through the completion of a full-length script for film or television. Fifteen of the credits are directly craft-oriented, teaching students what they need to know to translate their ideas into a format suitable for production; the other 9.0 credits are dedicated to background knowledge intended to inform creative thinking and develop a student's individual voice.

Film and Video majors should note that they will be taking half of the courses in the Screenwriting minor as part of their degree requirements, making this minor a relatively simple addition to their education.

Additional Information

For more information about this minor, contact the program director:

Matthew J. Kaufhold (http://drexel.edu/westphal/about/directory/KaufholdMatthew/)
Screenwriting and Playwriting Program
Department of Cinema & Television
Antoinette Westphal College of Media Arts & Design
215-895-2882
kaufhold@drexel.edu

Program Requirements

Required courses

FMST 101	Film History I: Emergence	3.0
FMST 102	Film History II: New Waves	3.0
SCRP 270 [WI]	Screenwriting I	3.0

SCRP 275 [WI]	Screenwriting II	3.0
SCRP 310	Literature for Screenwriters	3.0
SCRP 370	Screenplay Story Development	3.0
SCRP 380	Screenwriting Workshop I	3.0
SCRP 381	Screenwriting Workshop II	3.0
Total Credits		**24.0**

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list) at the University Writing Program (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/). (http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Minor in Somatics

About the Minor

An understanding of movement and body language has become increasingly important across many fields; in communication, corporate training, movement therapy, education, performance, rehabilitation, sport and fitness. Physical health, clear communication and effective leadership all rely on an awareness of how we carry our bodies through our lives. The Somatics Minor provides an in-depth study of the body, building from an understanding of its functional/structural basis, to its patterns and habits. We focus on how to interpret, analyze, and articulate somatic concepts and develop strategies for application.

Admission requirements

Admission on consultation with Somatics Coordinator:

Jennifer Morley
jsm76@drexel.edu
215.895.2018

Program Requirements

Minor Requirements

DANC 102	Yoga	3.0
DANC 108	Dance Improvisation I	2.0
DANC 116	Dance and Fitness	3.0
DANC 117	Foundations of Somatic Theory and Practice	3.0
DANC 216	Introduction to Laban Movement Analysis	3.0
DANC 316	Dance Kinesiology	3.0
DANC 416	Survey of Somatic Practices	3.0
Complete two of the following courses:		4.0-5.0
DANC 104	Ballet Technique I	
DANC 204	Ballet Technique II	
DANC 304	Ballet Dance Technique III	
DANC 105	Modern Dance Technique I	
DANC 205	Modern Dance Technique II	
DANC 305	Modern Dance Technique III	
DANC 106	Jazz Dance Technique I	
DANC 206	Jazz Dance Technique II	
DANC 306	Jazz Dance Technique III	
DANC 107	Hip-Hop Dance Technique I	
DANC 207	Hip-Hop Dance Technique II	
DANC 208	Dance Improvisation II	
DANC 109	African Dance Technique I	

DANC 209	African Dance Technique II	
Total Credits		**24.0-25.0**

Minor in Sustainability in the Built Environment

About the Minor

The intent of this minor is to prepare students to engage and analyze future design challenges from a sustainability perspective. Students completing this program will be able to approach these challenges in a resourceful and insightful way with a solid foundation of sustainability principles. The emphasis on collaboration and transdisciplinary teamwork will allow students to serve as agile leaders in their future careers and be active participants in the critical discourse of their field.

In addition to the 15.0 credits of core courses, students select 9.0 credits of electives. The list below will be updated as new courses in sustainability become available. Students having a question about the inclusion of a course not currently listed as a possible elective should check with the coordinator for this minor.

Program Requirements

Required Courses		
ARCH 315	Sustainable Built Environment I	3.0
ARCH 320	Sustainable Built Environment II	3.0
INTR 310	Sustainability: History, Theory and Critic	3.0
INTR 410	Collaborative Research in Sustainability	3.0
Arts and Sciences Course		**3.0**
Students must select one of the following courses from the Arts and Science College or an approved substitute with the permission of the advisor for this minor:		
ENVS 260	Environmental Science and Society	
PHIL 341	Environmental Philosophy	
SOC 244	Sociology of the Environment	
Additional Electives *		**9.0**
Students select three of the following (or alternative options with the permission of the advisor for this minor):		
ARCH 348 [WI]	Studies in Vernacular Architecture	
ARCH 463	Case Studies in Architectural Technology	
ARCH 465	Energy and Architecture	
COM 317 [WI]	Environmental Communication	
ENVS 260	Environmental Science and Society	
INTR T180	Special Topics in Interior Design	
INTR T280	Special Topics in Interior Design	
INTR T380	Special Topics in Interior Design	
INTR T480	Special Topics in Interior Design	
PHIL 341	Environmental Philosophy	
SOC 342	Global Environmental Movements	
Total Credits		**24.0**

* The elective list will be updated as new courses in sustainability become available. If a student has questions regarding inclusion of a course not on this list, they should see the advisor for the Sustainability in the Built Environment Minor program.

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

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Additional Information

For more information about this program, contact the program's advisor:

Diana Nicholas
URBN Center, Suite 410
Phone: 215.571.4432
dsn35@drexel.edu

Minor in Theatre

About the Minor

The minor in Theatre consists of two distinct, yet closely integrated components: academics and performance. The intertwining of foundation studies and practical application empowers students to discover and develop their own voice and style in their art.

Program Requirements

Required Course		
THTR 121 [WI]	Dramatic Analysis	3.0
Theatre History Requirement		
Select 6.0 credits from any combination of approved 3.0 credit Theatre courses listed below with Historical Perspectives (these include 3.0 credit special topics courses with a historical theater perspective as well)		6.0
THTR 221 [WI]	Theatre History I	
THTR 222 [WI]	Theatre History II	
THTR 231	Introduction to Musical Theatre	
THTR 232	Contemporary Musical Theatre	
Select 3.0 credits total from any combination of the following 1.0 credit courses:		3.0
THTR 130	Introduction to Theater Production Practicum	
THTR 131	Theatre Performance Practicum	
THTR 132	Theatre Production Practicum	
THTR 133	Theatre Management Practicum	
THTR 134	Open Mic Management Practicum	
THTR 141	Theatre Performance Ensemble	
THTR 142	Director's Lab Practicum	
THTR 143	Musical Theatre Cabaret	
THTR 144	NewWorks Festival Performance Practicum	
THTR 145	Advanced Theatre Improvisation Ensemble	
Select 12.0 credits from the following:		12.0
THTR 110	Voice and Articulation	
THTR 115	Theatrical Experience	
THTR 116	Philadelphia Theatre Let's Go!	
THTR 209	Improvisation for the Theatre	
THTR 210	Acting: Fundamentals	
THTR 211	Acting: Scene Study	
THTR 212	Sketch Comedy	
THTR 231	Introduction to Musical Theatre	
THTR 232	Contemporary Musical Theatre	
THTR 240	Theatre Production I	
THTR 260	Production Design	
THTR 320	Play Direction	
THTR 360	Lighting Design	
THTR I199	Independent Study in THTR	
THTR I299	Independent Study in THTR	
THTR I399	Independent Study in THTR	
THTR I499	Independent Study in THTR	
THTR T180	Special Topics in Theatre	
THTR T280	Special Topics in Theatre	
THTR T380	Special Topics in Theatre	
THTR T480	Special Topics in Theatre	
Total Credits		**24.0**

*   A limit of 3.0 credits of Practicum can be used toward fulfilling the General Electives Requirement. These include THTR 131, THTR 132, THTR 133, THTR 134, THTR 141, THTR 142, THTR 143 THTR 144, and THTR 145.

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

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Minor in User Experience and Interaction Design

About the Minor

The User Experience & Interaction Design minor requires the completion of eight courses (minimum 24.0 credits). The minor provides basic foundations in user interface design (UI), user experience design (UX), and interaction design (IXD), as applied to the design of digital interfaces (websites and mobile applications). This minor offers the opportunity for individualized tailoring according to the student's interests. It is open to all University students and is administered and advised by the User Experience & Interaction Design program.

For more information about this minor, please contact Troy Finamore twf23@drexel.edu.

Program Requirements

Required Courses

IDM 100	Introduction to Web Development	3.0
IDM 211	User Interface Design I	3.0
Select six of the following:		**18.0**
ANIM 115	Introduction to Production with Animation & VFX	
DIGM 308 [WI]	Digital Cultural Heritage	
DIGM 451 [WI]	Explorations in New Media	
EAM 315	Content Strategies for Digital Products	
IDM 101	History of Web Development	
IDM 212	User Interface Design II	
IDM 213	Interaction Design	
IDM 214	Human Factors Engineering	
IDM 215	User Experience Design I	
IDM 216	User Experience Design II	
IDM 221	Web Design I	
IDM 222	Web Design II	
IDM 231	Scripting for Interactive Digital Media I	
IDM 232	Scripting for Interactive Digital Media II	
IDM 240	Interactive Graphics	
IDM 241	Microinteractions	
IDM 245	Web Game Design	
IDM 250	Content Management Systems	
IDM 311	User Interface Design for Immersive Media	
IDM 331	WebVR	
IDM 361	Interactive App Design I	
IDM 362	Interactive App Design II	
IDM 363	Interactive App Design III	
IDM 364	Interactive App Design IV	
IDM 371	Interactive Digital Media Workshop I	
IDM 372	Interactive Digital Media Workshop II	
IDM 381	Experimental Interactive Technologies	
IDM 382	Internet of Things	
IDM 402	Validating Product Ideas	
IDM 417	User Research Methodologies	
IDM 418	Storytelling for User Experience Design	
IDM T380	Special Topics in Interactive Digital Media	

INFO 110	Introduction to Human-Computer Interaction	
WEST 107	Maker Workshop	
Total Credits		**24.0**

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

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Minor in Virtual Reality & Immersive Media

About the Minor

The design and production of Virtual Reality (VR), Augmented Reality (AR), 360° Video and other Immersive Media formats requires a unique skill set—creative thinking, understanding of design, aesthetic sensitivity, and story telling are balanced with technical knowledge in areas such as 3D Computer Graphics, Animation, Visual Effects, interactivity, digital camera and image processing technologies. Additionally, critical thinking, the ability to collaborate effectively and communication skills are also integral to success in this rapidly expanding industry.

Drexel's Minor in Virtual Reality & Immersive Media provides a foundation in the principles, techniques and tools used in the design and production of virtual reality, augmented reality (VR/AR) and other forms of Immersive Media, with the opportunity for individualized tailoring according to the student's interests.

Admission Requirements

Open to students with a 3.0 GPA.

For more information about this minor, please visit the Westphal minors (https://drexel.edu/westphal/academics/minors/) web page.

Program Requirements

Required Courses

VRIM 100	Digital Tools for Immersive Media	3.0
or ANIM 100	Foundational Tools for Animation & VFX	
or DIGM 100	Digital Design Tools	
or PHTO 141	Digital Photographic Post Production	
or VSCM 200	Computer Imaging II	
or FMTV 110	Basic Cinematography	
VRIM 110	Digital Imaging for Immersive Media	3.0
VRIM 120	Immersive Production Lab I	3.0
ANIM 140	Computer Graphics Imagery I	3.0
ANIM 145	Realtime Visualization	3.0
Select three of the following:		9.0
ANIM 141	Computer Graphics Imagery II	
ANIM 211	Animation I	
ANIM 220	Digital Compositing I	
ANIM 221	Digital Compositing II	
GMAP 345	Game Development Foundations	
GMAP 367	Character Animation for Gaming	
VRIM 220	Immersive Production Lab II	
VRIM 388	Motion Capture I	
VRIM I199	Independent Study in Immersive Media	
VRIM I299	Independent Study in Immersive Media	
VRIM T180	Special Topics in Immersive Media	

VRIM T280	Special Topics in Immersive Media	
Total Credits		**24.0**

Certificate in Dance Studies

About the Program

Certificate Level: Undergraduate
Admission Requirements: High school diploma or GED equivalency
Certificate Type: Certificate
Number of Credits of Completion: 18.0
Instructional Delivery: Campus
Calendar Type: Quarter
Maximum Time Frame: 1 year
Financial Aid Eligibility: Not aid eligible
Classification of Instructional Program (CIP) Code: 50.0301
Standard Occupational Classification (SOC) Code: 27-2031

About the Program

The certificate in dance studies is a one-year option for any qualified professional dancer to assess whether they have the interest and aptitude for entering an undergraduate dance program. The certificate program has no entrance requirement beyond possession of a high school diploma or GED equivalency. All credits earned in the certificate of study in dance will be transferable into the part-time or full-time BS in Dance (p. 26).

Additional Information

For more information about this program, visit the Westphal College's Dance (http://www.drexel.edu/westphal/academics/undergraduate/DANC/) webpage.

Program Requirements

General Requirements

DANC 100	Survey of Dance Studies	3.0
DANC 115	Introduction to Dance	3.0
DANC 116	Dance and Fitness	3.0
DANC 135	Rhythmic Study for Dance	3.0
DANC 215	Dance Appreciation	3.0
DANC 216	Introduction to Laban Movement Analysis	3.0
Total Credits		**18.0**

Sample Plan of Study

First Year (Part-Time)

Fall	Credits	Winter	Credits	Spring	Credits
DANC 100	3.0	DANC 115	3.0	DANC 215	3.0
DANC 116	3.0	DANC 135	3.0	DANC 216	3.0
	6		**6**		**6**

Total Credits 18

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