

Drexel University

Catalog 2006 / 2007

Table of Contents

The Richard C. Goodwin College of Professional Studies Undergraduate Programs

About the College	2
--------------------------------	----------

Majors

Architecture	6
About the part-time evening program, Requirements, Plan of Study	
Applied Engineering Technology	13
About the major	
Electrical Engineering Technology Concentration.....	15
Concentration requirements, Plan of Study	
Manufacturing Engineering Technology Concentration.....	20
Concentration requirements, Plan of Study	
Mechanical Engineering Technology Concentration.....	24
Concentration requirements, Plan of Study	
Communications and Applied Technology	29
About the major (B.S. in General Studies), Requirements	
Computing Technology	34
About the major, Requirements, Plan of Study	
Construction Management	40
About the major, Requirements, Plan of Study, Certificate	
Culinary Arts	47
About the major, Requirements, Plan of Study	
General Studies	53
About the major	
Individualized Studies Concentration	55
About the concentration, Requirements	
Liberal Studies Concentration.....	57
About the concentration, Requirements	
Physical Sciences Concentration	60
About the concentration, Requirements	
Hospitality Management	63
About the major, Requirements, Plan of Study	
Industrial Engineering	69
About the major, Requirements, Plan of Study	
Sport Management	75
About the major, Requirements, Plan of Study	

Minor

Construction Management	81
--------------------------------------	-----------



Home
Contents
Index
E-mail
Search
Admissions

Drexel University

Catalog 2006 / 2007

Undergraduate Catalog

- All majors
- All minors
- Arts and Sciences
- Business
- Education
- Engineering
- Information Science and Technology
- Goodwin Professional
- Media Arts & Design
- Nursing and Health
- Biomedical Engineering
- ROTC

Graduate Catalog

- Arts and Sciences
- Business
- Education
- Engineering
- Goodwin Professional
- Information Science and Technology
- Law
- Media Arts & Design
- Nursing and Health
- Medicine
- Biomedical Engineering
- Public Health

Catalog Home

- All Course Descriptions
- Certificate programs
- Schedule

Prospective Students

Apply Online

[About Drexel](#) [Admissions](#) [Tuition/Fees](#) [Financial Aid](#) [Drexel Co-op Programs](#) [Policies](#)

The Richard C. Goodwin College of Professional Studies

The Richard C. Goodwin College of Professional Studies provides traditional students and adult learners with an academic foundation and practical education for their professional and personal advancement.

Majors

The College responds to the demands of today's learner by offering competitive educational programs that tailor a student's learning experience to her/his professional career aspirations. The programs listed on the right lead to a baccalaureate degree.

[About the College](#)

[About the curriculum](#)

[Degree completion options](#)

[Facilities](#)

[Architecture](#)

[Applied Engineering Technology](#)

[Construction Management](#)

[Communications & Applied Technology](#)

[Computing and Security Technology](#)

[Culinary Arts](#)

[General Studies](#)

[Hospitality Management](#)

[Industrial Engineering Technology](#)

[Sport Management](#)

Concentrations

Applied Engineering Technology:

[- Electrical Engineering Technology](#)

[- Manufacturing Engineering Technology](#)

[- Mechanical Engineering Technology](#)

General Studies:

[- Individualized Studies](#)

[- Liberal Arts](#)

[- Physical Sciences](#)

Hospitality Management

[- Food & Beverage Management](#)

- Lodging Administration
- Travel & Tourism
- Gaming & Resort Management



[Home](#)
[Contents](#)
[Index](#)
[E-mail](#)
[Search](#)
[Admissions](#)

Drexel University

Catalog 2006 / 2007

Undergraduate Catalog

- All majors
- All minors
- Arts and Sciences
- Business
- Education
- Engineering
- Information Science and Technology
- Goodwin Professional
- Media Arts & Design
- Nursing and Health
- Biomedical Engineering
- ROTC

Graduate Catalog

- Arts and Sciences
- Business
- Education
- Engineering
- Goodwin Professional
- Information Science and Technology
- Law
- Media Arts & Design
- Nursing and Health
- Medicine
- Biomedical Engineering
- Public Health

Catalog Home

- All Course Descriptions
- Certificate programs
- Schedule

Prospective Students

Apply Online

[About Drexel](#) [Admissions](#) [Tuition/Fees](#) [Financial Aid](#) [Drexel Co-op Programs](#) [Policies](#)

The Richard C. Goodwin College of Professional Studies

The mission of the [Goodwin College of Professional Studies](#) is to provide contemporary students with the academic foundation and practical education that meets their career aspirations and facilitates their professional and personal advancement.

While still serving a large adult, part-time student population, the College has grown into a distinct entity that creates and delivers programs that are professional and applied in nature for both full-time traditional and nontraditional students. Today, the College offers full-time and part-time programs, credit and non-credit courses, classes during the day, evening, Saturdays, and online—as well as programs designed to suit the needs of the corporate sector.

The College also provides a range of continuing adult and professional education programs, certificates of proficiency, licensing and certification test preparation, and customer contracted training. The College abides by the continuing education unit (CEU) criteria for quality education.

All Goodwin programs are unique, aligning with market and industry needs, and blending theory with practice through laboratory experiments, field trips, and solid alliances with key businesses and industries. Instruction at Goodwin is supported by a team of educators with noteworthy educational credentials and expertise, and varied industrial background.

Undergraduate Catalog

- All majors
- All minors
- Arts and Sciences
- Business
- Education
- Engineering
- Information Science and Technology
- Goodwin Professional
- Media Arts & Design
- Nursing and Health
- Biomedical Engineering
- ROTC

Graduate Catalog

- Arts and Sciences
- Business
- Education
- Engineering
- Goodwin Professional
- Information Science and Technology
- Law
- Media Arts & Design
- Nursing and Health
- Medicine
- Biomedical Engineering
- Public Health

Catalog Home

- All Course Descriptions
- Certificate programs
- Schedule

Prospective Students

Apply Online

[About Drexel](#) [Admissions](#) [Tuition/Fees](#) [Financial Aid](#) [Drexel Co-op Programs](#) [Policies](#)

The Richard C. Goodwin College of Professional Studies

Students can pursue studies leading to a baccalaureate degree in the following nine majors:

- [Architecture](#)
- [Applied Engineering Technology](#)
- [Construction Management](#)
- [Communications & Applied Technology](#)
- [Computing and Security Technology](#)
- [Culinary Arts](#)
- [General Studies](#)
- [Hospitality Management](#)
- [Industrial Engineering](#)
- [Sport Management](#)

Degree requirements

Requirements for Goodwin degrees are provided by individual programs according to the requirements for each major, which are set forth in subsequent pages. The minimum number of credits required for the degree of Bachelor of Science varies from one program to another. All graduating students, regardless of the program, must have earned a grade point average of 2.0 or higher for all coursework undertaken at Drexel University.

Writing-Intensive Course Requirements

In order to graduate, all students beginning with the entering class of Fall 2002 must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in the 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 indicates that this course can fulfill a writing-intensive requirement. Departments will designate specific sections of such courses as writing-intensive. Sections of writing-intensive courses are not indicated in this catalog. Students should check the section comments in Banner when registering. Students scheduling their courses in Banner can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term. For more information on writing-intensive courses, see the Drexel University Writing Program's Writing-Intensive Course page.

Undergraduate Catalog

- All majors
- All minors
- Arts and Sciences
- Business
- Education
- Engineering
- Information Science and Technology
- Goodwin Professional
- Media Arts & Design
- Nursing and Health
- Biomedical Engineering
- ROTC

Graduate Catalog

- Arts and Sciences
- Business
- Education
- Engineering
- Goodwin Professional
- Information Science and Technology
- Law
- Media Arts & Design
- Nursing and Health
- Medicine
- Biomedical Engineering
- Public Health

Catalog Home

- All Course Descriptions
- Certificate programs
- Schedule

Prospective Students

Apply Online

[About Drexel](#) [Admissions](#) [Tuition/Fees](#) [Financial Aid](#) [Drexel Co-op Programs](#) [Policies](#)

The Richard C. Goodwin College of Professional Studies

The College offers several degree completion options to students with busy schedules or wishing to complete previous studies.

Accelerated Degree Programs

These programs are designed for people who already have earned an associate's degree or equivalent and for working adults and professionals. The types of programs available are listed below:

- Corporate onsite degree completion
- Saturday Scholars Degree Completion Program

Part-time Evening Studies

The College offers several partnership programs with other colleges and schools at the University. These degree programs are housed in the respective day departments, and are offered in the evening for students who cannot attend classes during the day. However, many of these degree programs may require courses during the day. Detailed program descriptions and curriculum requirements may be found by visiting the College's [Part-Time Undergraduate Studies](#) web page.

Off-site Programs

The Goodwin College brings high quality Drexel courses and faculty members to your facility, offering your employees an exceptional and convenient education. Through Drexel, companies may choose to offer their employees programs and certificates at their place of work. The College works seamlessly with organizations to provide the support and training that their employees want and that management needs in order to maintain a competitive edge in their industry. A Drexel education is a benefit that makes sense for both employers and employees. It enhances an organization's reputation, improves employee retention rates, and makes for a skilled and talented workforce.

Visit <http://www.drexel.edu/goodwin/> for more information.

Drexel University and Burlington County College (BCC) programs

Drexel University and Burlington County College (BCC) have joined together to create a unique educational opportunity: Drexel at BCC. This partnership enables BCC students to earn a bachelor's degree from Drexel University while remaining on BCC's Mount Laurel campus. Currently available programs include:

- Applied Engineering Technology
- Computing and Security Technology
- Construction Management
- Hospitality Management

For more information, visit the [Drexel at BCC](#) web site.



[Home](#)
[Contents](#)
[Index](#)
[E-mail](#)
[Search](#)
[Admissions](#)

Drexel University

Catalog 2006 / 2007

Undergraduate Catalog

- All majors
- All minors
- Arts and Sciences
- Business
- Education
- Engineering
- Information Science
and Technology
- Goodwin Professional
- Media Arts & Design
- Nursing and Health
- Biomedical Engineering
- ROTC

Graduate Catalog

- Arts and Sciences
- Business
- Education
- Engineering
- Goodwin Professional
- Information Science
and Technology
- Law
- Media Arts & Design
- Nursing and Health
- Medicine
- Biomedical Engineering
- Public Health

Catalog Home

- All Course Descriptions
- Certificate programs
- Schedule

Prospective Students

Apply Online

[About Drexel](#) [Admissions](#) [Tuition/Fees](#) [Financial Aid](#) [Drexel Co-op](#) [Programs](#) [Policies](#)

Architecture

The Part-Time Evening Program

The Part-Time Evening Program leads to a Bachelor of Architecture degree. The course of study usually takes seven years to complete, but students with transfer credits in studio design can accelerate their program. Since all courses are offered in the evening, students are expected to supplement their academic work with full-time employment in architectural offices. Please contact the Department of Architecture at 215-895-2409 for further information.



Home
Contents
Index
E-mail
Search
Admissions

Drexel University

Catalog 2006 / 2007

Undergraduate Catalog

- All majors
- All minors
- Arts and Sciences
- Business
- Education
- Engineering
- Information Science and Technology
- Goodwin Professional
- Media Arts & Design
- Nursing and Health
- Biomedical Engineering
- ROTC

Graduate Catalog

- Arts and Sciences
- Business
- Education
- Engineering
- Goodwin Professional
- Information Science and Technology
- Law
- Media Arts & Design
- Nursing and Health
- Medicine
- Biomedical Engineering
- Public Health

Catalog Home

- All Course Descriptions
- Certificate programs
- Schedule

Prospective Students

Apply Online

[About Drexel](#) [Admissions](#) [Tuition/Fees](#) [Financial Aid](#) [Drexel Co-op](#) [Programs](#) [Policies](#)

Architecture: Part-Time Evening Program

Bachelor of Architecture Degree: 209.0 credits.

Degree Requirements

Required courses

General education requirements		Credits
ENGL 101	Expository Writing and Reading	3.0
ENGL 102	Persuasive Writing and Reading	3.0
ENGL 103	Analytical Writing and Reading	3.0
MATH 181	Mathematical Analysis I	3.0
MATH 182	Mathematical Analysis II	3.0
MATH 183	Mathematical Analysis III	3.0
PHYS 182	Applied Physics I	3.0
PHYS 183	Applied Physics II	3.0
PHYS 184	Applied Physics III	3.0
Humanities and social science electives		9.0
Free electives		12.0

Departmental requirements		Credits
ARCH 111	Studio 1-1	3.0
ARCH 112	Studio 1-2	3.0
ARCH 113	Studio 1-3	3.0
ARCH 121	Studio 2-1	3.0
ARCH 122	Studio 2-2	3.0
ARCH 123	Studio 2-3	3.0
ARCH 231	Studio 3-1*	3.0
ARCH 232	Studio 3-2	3.0
ARCH 233	Studio 3-3	3.0
ARCH 241	Studio 4-1	4.0
ARCH 242	Studio 4-2	4.0
ARCH 243	Studio 4-3	4.0
ARCH 351	Studio 5-1	4.0
ARCH 352	Studio 5-2	4.0
ARCH 353	Studio 5-3	4.0
ARCH 361	Studio 6-1*	4.0
ARCH 362	Studio 6-2	4.0
ARCH 363	Studio 6-3	4.0

ARCH 496	Thesis I	8.0
ARCH 497	Thesis II	8.0
ARCH 498	Thesis III	8.0

*Prior to taking this course student must meet the Department of Architecture's minimum studio advancement requirements. See the Department's [Advising Guidelines](#) web page for more details.

Required professional courses		Credits
ARCH 141	Architecture and Society I	3.0
ARCH 142 WI	Architecture and Society II	3.0
ARCH 143 WI	Architecture and Society III	3.0
ARCH 150	Introduction to CADD I	4.0
ARCH 153	Introduction to CADD II	4.0
ARCH 155	Basic Architectural Drawing	3.0
ARCH 156	Graphic Communication I	3.0
ARCH 161	Architectural Construction	3.0
ARCH 261	Environmental Systems I	3.0
ARCH 262	Environmental Systems II	3.0
ARCH 263	Environmental Systems III	3.0
ARCH 321 WI	General Lecture Series I	3.0
ARCH 322 WI	General Lecture Series II	3.0
ARCH 323 WI	General Lecture Series III	3.0
CIVE 261	Materials and Structural Behavior I	3.0
CIVE 262	Materials and Structural Behavior II	3.0
CIVE 263	Materials and Structural Behavior III	3.0

History and theory electives		12.0 Credits
Three or four of the following courses		
ARCH 341	Theories of Architecture I	3.0
ARCH 342	Theories of Architecture II	3.0
ARCH 343	Theories of Architecture III	3.0
ARCH 344	History of the Modern Movement I	3.0
ARCH 345	History of the Modern Movement II	3.0
ARCH 346	History of Philadelphia Architecture	3.0
ARCH 347	Summer Study Abroad (6 credits)	6.0
ARCH 348	Studies in Vernacular Architecture	3.0
ARCH 441	Urban Design Seminar I	3.0
ARCH 442	Urban Design Seminar II	3.0
ARCH 499	Special Topics in Architecture	3.0

Professional electives		Credits
Any three of the following courses*		
ARCH 157	Graphic Communication II	3.0
ARCH 421 WI	Environmental Psychology and Design Theory	3.0
ARCH 431	Architectural Programming	3.0
ARCH 432	The Development Process	3.0

ARCH 435	Management Seminar I	3.0
ARCH 436	Management Seminar II	3.0
ARCH 451	Advanced Drawing	3.0
ARCH 455	Computer Applications in Architecture I	3.0
ARCH 456	Computer Applications in Architecture II	3.0
ARCH 461	Technology Seminar I	3.0
ARCH 462	Technology Seminar II	3.0
ARCH 465	Energy and Architecture	3.0
ARCH 499	Special Topics in Architecture	3.0
CIVE 400	Structural Design I	3.0
CIVE 401	Structural Design II	3.0
CIVE 402	Structural Design III	3.0
CIVE 464	Acoustics and Noise Control in Buildings I	3.0
CMGT 462	Construction Management I	3.0
CMGT 463	Value Engineering II	3.0
CMGT 363	Estimating I	3.0
PHTO 110	Photography	3.0
VSST 111	Figure Drawing I	3.0
VSST 202	Multimedia: Space	4.0
VSST 301	Painting I	4.0
VSST 311	Sculpture	4.0
	Other approved engineering courses	3.0

* History and theory electives can also be used to satisfy professional elective requirements.

Writing-Intensive Course Requirements

In order to graduate, all students beginning with the entering class of 2002/01 (fall, 2002) 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 indicates that this course can fulfill a writing-intensive requirement. Departments will designate specific sections of such courses as writing-intensive. Sections of writing-intensive courses are not indicated in this catalog. Students should check the section comments in Banner when registering. Students scheduling their courses in Banner can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term. For more information on writing-intensive courses, see the Drexel University Writing Program's [Writing-Intensive Course](#) page.



Home
Contents
Index
E-mail
Search
Admissions

Drexel University

Catalog 2006 / 2007

[About Drexel](#) [Admissions](#) [Tuition/Fees](#) [Financial Aid](#) [Drexel Co-op](#) [Programs](#) [Policies](#)

Undergraduate Catalog

- All majors
- All minors
- Arts and Sciences
- Business
- Education
- Engineering
- Information Science and Technology
- Goodwin Professional
- Media Arts & Design
- Nursing and Health
- Biomedical Engineering
- ROTC

Graduate Catalog

- Arts and Sciences
- Business
- Education
- Engineering
- Goodwin Professional
- Information Science and Technology
- Law
- Media Arts & Design
- Nursing and Health
- Medicine
- Biomedical Engineering
- Public Health

Catalog Home

- All Course Descriptions
- Certificate programs
- Schedule

Prospective Students

Apply Online

Architecture

Bachelor of Architecture Degree: 209.0 credits

Part-time Evening Program

Recommended Plan of Study:

First year

(Fall)		Credits
ARCH 111	Studio 1-1	3.0
ARCH 155	Basic Architectural Drawing	3.0
ENGL 101	Expository Writing and Reading	3.0
(Winter)		
ARCH 112	Studio 1-2	3.0
ARCH 156	Graphic Communication I	3.0
ENGL 102	Persuasive Writing and Reading	3.0
(Spring)		
ARCH 113	Studio 1-3	3.0
ARCH 161	Architecture Construction	3.0
ENGL 103	Techniques of Analysis Evaluation	3.0
(Summer)		
ARCH 150	Introduction to CADD I	4.0
	Total credits	31.0

Second year

(Fall)		Credits
ARCH 121	Studio 2-1	3.0
ARCH 141 WI	Architecture and Society I	3.0
MATH 181	Mathematical Analysis I	3.0
(Winter)		
ARCH 122	Studio 2-2	3.0
ARCH 142 WI	Architecture and Society II	3.0
MATH 183	Mathematical Analysis II	3.0
(Spring)		
ARCH 123	Studio 2-3	3.0
ARCH 143 WI	Architecture and Society III	3.0
MATH 182	Mathematical Analysis III	3.0
(Summer)		
ARCH 153	Introduction to CADD II	4.0

Total credits31.0

Third year

(Fall)		Credits
ARCH 231	Studio 3-1*	3.0
PHYS 182	Applied Physics I	3.0
	Humanities or social sciences elective	3.0
(Winter)		
ARCH 232	Studio 3-2	3.0
PHYS 183	Applied Physics II	3.0
	Humanities or social sciences elective	3.0
(Spring)		
ARCH 233	Studio 3-3	3.0
PHYS 184	Applied Physics III	3.0
	Humanities or social sciences elective	3.0
	Total credits	27.0

*Prior to taking this course student must meet the Department of Architecture's minimum studio advancement requirements. See the Department's [Advising Guidelines](#) web page for more details.

Fourth year

(Fall)		Credits
ARCH 241	Studio 4-1	4.0
ARCH 261	Environmental Systems I	3.0
CIVE 261	Materials and Structural Behavior I	3.0
(Winter)		
ARCH 242	Studio 4-2	4.0
ARCH 262	Environmental Systems II	3.0
CIVE 262	Materials and Structural Behavior II	3.0
(Spring)		
ARCH 243	Studio 4-3	4.0
ARCH 263	Environmental Systems III	3.0
CIVE 263	Materials and Structural Behavior III	3.0
	Total credits	30.0

Fifth year

(Fall)		Credits
ARCH 351	Studio 5-1	4.0
ARCH 321 WI	General Lecture Series I	3.0
	History/Theory elective	3.0
(Winter)		
ARCH 352	Studio 5-2	4.0
ARCH 322 WI	General Lecture Series II	3.0
	History/Theory elective	3.0
(Spring)		
ARCH 353	Studio 5-3	4.0
ARCH 323 WI	General Lecture Series III	3.0
	History/Theory elective	3.0

Total credits	30.0
----------------------	------

Sixth year

(Fall)		Credits
ARCH 361	Studio 6-1*	4.0
	History/Theory elective	3.0
	Free elective	3.0
(Winter)		
ARCH 362	Studio 6-2	4.0
	Professional elective	3.0
	Free elective	3.0
(Spring)		
ARCH 363	Studio 6-3	4.0
	Professional elective	3.0
	Free elective	3.0
	Total credits	30.0

*Prior to taking this course student must meet the Department of Architecture's minimum studio advancement requirements. See the Department's [Advising Guidelines](#) web page for more details.

Seventh year (Thesis)

(Fall)		Credits
ARCH 496	Thesis I	8.0
	Professional elective	3.0
(Winter)		
ARCH 497	Thesis II	8.0
	Free elective	3.0
(Spring)		
ARCH 498	Thesis III	8.0
	Total credits	33.0

[Top](#)

Modified: Jan 18, 2007	Home	Contents	Index	Email	Search	Feedback
------------------------------	----------------------	--------------------------	-----------------------	-----------------------	------------------------	--------------------------



[Home](#)
[Contents](#)
[Index](#)
[E-mail](#)
[Search](#)
[Admissions](#)

Drexel University

Catalog 2006 / 2007

Undergraduate Catalog

- All majors
- All minors
- Arts and Sciences
- Business
- Education
- Engineering
- Information Science and Technology
- Goodwin Professional
- Media Arts & Design
- Nursing and Health
- Biomedical Engineering
- ROTC

Graduate Catalog

- Arts and Sciences
- Business
- Education
- Engineering
- Goodwin Professional
- Information Science and Technology
- Law
- Media Arts & Design
- Nursing and Health
- Medicine
- Biomedical Engineering
- Public Health

Catalog Home

- All Course Descriptions
- Certificate programs
- Schedule

Prospective Students

Apply Online

[About Drexel](#) [Admissions](#) [Tuition/Fees](#) [Financial Aid](#) [Drexel Co-op](#) [Programs](#) [Policies](#)

Applied Engineering Technology

The Bachelor of Science (B.S.) degree in Applied Engineering Technology provides an integrated educational experience directed toward development of the ability to apply fundamental knowledge to the solution of practical technological problems.

All students enrolled in the program are required to take general education courses including mathematics, the sciences and liberal arts. During their sophomore year, students need to choose one of the three available concentrations, namely [electrical](#), [manufacturing](#), or [mechanical engineering](#) technology. These concentrations consist of core fundamental courses, technical electives, free electives and a three-term senior design project reflecting industrial practices.

The AET program distinguishes itself from traditional engineering programs by placing emphasis on the application of theory, by integrating most courses with laboratory experience, and by incorporating faculty with extensive industrial experience.

The AET program includes full-time and part-time enrollment options. Students pursuing the full-time option can opt for a four-year program with a six-month internship or a five-year program with an eighteen-month co-op period.

Applied engineering technology graduates are uniquely qualified to serve in a variety of functions requiring traditional and nontraditional technological skills. The program also prepares students for graduate study in a variety of fields including engineering management, business administration, and health technology.



Home
Contents
Index
E-mail
Search
Admissions

Drexel University

Catalog 2006 / 2007

Undergraduate Catalog

- All majors
- All minors
- Arts and Sciences
- Business
- Education
- Engineering
- Information Science and Technology
- Goodwin Professional
- Media Arts & Design
- Nursing and Health
- Biomedical Engineering
- ROTC

Graduate Catalog

- Arts and Sciences
- Business
- Education
- Engineering
- Goodwin Professional
- Information Science and Technology
- Law
- Media Arts & Design
- Nursing and Health
- Medicine
- Biomedical Engineering
- Public Health

Catalog Home

- All Course Descriptions
- Certificate programs
- Schedule

Prospective Students

Apply Online

[About Drexel](#) [Admissions](#) [Tuition/Fees](#) [Financial Aid](#) [Drexel Co-op](#) [Programs](#) [Policies](#)

Applied Engineering Technology Manufacturing Engineering Technology Concentration

Bachelor of Science Degree: 187.5 credits

Required courses

Humanities and social sciences requirements		34.0 Credits
ENGL 101	Expository Writing and Reading	3.0
ENGL 102	Persuasive Writing and Reading	3.0
ENGL 103	Analytical Writing and Reading	3.0
COM 111	Introduction to Corporate Communication	3.0
COM 230	Principles of Speech	3.0
ECON 201	Microeconomics	4.0
HIST 285	Technology in Historical Perspective	3.0
PHIL 315	Engineering Ethics	3.0
Liberal studies electives		9.0

Basic Science requirements		14.5 Credits
CHEM 111	General Chemistry I	4.0
CHEM 113	Chemistry Laboratory I	1.5
PHYS 152	Physics for Life Sciences I	4.5
PHYS 153	Physics for Life Sciences II	4.5

Mathematics requirements		15.0 Credits
MATH 110	Precalculus	3.0
MATH 121	Calculus and Analytic Geometry I	4.0
MATH 122	Calculus and Analytic Geometry II	4.0
STAT 201	Statistics I	4.0

Applied Engineering Technical Core		62.0 Credits
EET 201	Circuit Analysis I	4.0
EET 202	Circuit Analysis II	4.0
EET 203	Non-Destructive Evaluation of Materials	4.0
EET 204	Introduction to Nanotechnology	4.0
EET 205	Digital Electronics with Laboratory	4.0

EET 311	Modeling of Engineering Systems	4.0
EET 319	Programmable Logic Controllers	4.0
EET 401	Applied Micro-controllers	3.0
MET 100	Graphical Communication	4.0
MET 101	Manufacturing Materials	4.0
MET 204	Quality Control	3.0
MET 205	Robotics and Mechatronics	3.0
MET 209	Fluid Power	3.0
MET 213	Applied Mechanics	4.0
MHT 205	Thermodynamics I	3.0
MHT 226	Measurement Lab	3.0
CIVE 240	Engineering Economics	3.0
INDE 370	Industrial Project Management	3.0

MET Concentration requirements **24.0 Credits**

MET 201	Introduction to Manufacturing Industries	3.0
MHT 201	Kinematics	3.0
MET 313	Machine Tool Processing	3.0
MET 316	Computer Numerical Control	3.0
MET 407	Manufacturing Processes	3.0
MET 408	Manufacturing Information Management	3.0
MET 310	Advanced Robotics/Mechatronics	3.0
MET 411	Advanced Computer Numerical Control	3.0

MET Technical electives **9.0 Credits**

Students select 9.0 credits from the following courses:

MET 301	ADvanced Design Graphics	3.0
MET 402	Manufacturing Design w/CAD	3.0
MET 403	Three Dimensional Modeling	3.0
MET 404	Digital Instrumentation	3.0
MET 409	Green Manufacturing	3.0
MET 380	Special Topics in Manufacturing Engineering Technology	2.0

Capstone course requirements **9.0 Credits**

MET 421	Project Design I	3.0
MET 422	Project Design II	3.0
MET 423	Project Design III	3.0

Miscellaneous **8.0 Credits**

CS 161	Introduction to Computing	3.0
EET 102	Introduction to AET	2.0

Free electives

**15.0
Credits**

Recommended Plan Of Study

BS Applied Engineering Technology
 5 YR UG Co-op Concentration /Manufacturing Engineering Tech

Term 1		Credits
CHEM 111	General Chemistry I	4.0
CHEM 113	General Chemistry I Laboratory	1.5
EET 102	Introduction to Applied Engineering Technology	3.0
ENGL 101	Expository Writing and Reading	3.0
MATH 110	Precalculus	3.0
PHYS 152	Physics for Life Sciences I	4.5
UNIV 101	The Drexel Experience	1.0
Term Credits		20.0
Term 2		Credits
ENGL 102	Persuasive Writing and Reading	3.0
MATH 121	Calculus I	4.0
MET 100	Graphical Communication	4.0
PHYS 153	Physics for Life Sciences II	4.5
UNIV 101	The Drexel Experience	1.0
Term Credits		16.5
Term 3		Credits
CS 161	Introduction to Computing	3.0
EET 201	Circuit Analysis I	4.0
ENGL 103	Analytical Writing and Reading	3.0
MATH 122	Calculus II	4.0
MET 101	Manufacturing Materials	4.0
Term Credits		18.0
Term 4		Credits
COM 111	Principles of Communication	3.0
EET 202	Circuit Analysis II	4.0
EET 205	Digital Electronics with Laboratory	4.0
MHT 226	Measurement Lab	3.0
STAT 201	Business Statistics I	4.0
Term Credits		18.0
Term 5		Credits
EET 203	Non-Destructive Evaluation of Materials	3.0
EET 204	Introduction to Nanotechnology	3.0
HIST 285	Technology in Historical Perspective	3.0
MET 205	Robotics and Mechatronics	3.0
MHT 205	Thermodynamics I	3.0
Term Credits		15.0
Term 6		Credits
COM 230	Techniques of Speaking	3.0
ECON 201	Economics I	4.0
EET 311	Modeling of Engineering Systems	4.0
EET 319	PLC Fundamentals	4.0
MET 213	Applied Mechanics	4.0
Term Credits		19.0
Term 7		Credits
CIVE 240	Engineering Economic Analysis	3.0
EET 401	Applied Micro-controllers	3.0
MET 204	Applied Quality Control	3.0
MET 209	Fluid Power	3.0
PHIL 315	Engineering Ethics	3.0

Term Credits		15.0
Term 8		
		Credits
MET 201	Introduction to Mfg Processes	3.0
MET 203	Machine Tool Processing	4.0
MHT 201	Kinematics	3.0
	Free elective	3.0
	MET technical elective (See degree requirements for options)	3.0
Term Credits		16.0
Term 9		
		Credits
INDE 370	Industrial Project Management	3.0
MET 310	Advanced Robotics and Mechatronics	3.0
MET 316	Computer Numerical Control	3.0
MET 407	Manufacturing Processes	3.0
MET 408	MFG Information Management	3.0
Term Credits		15.0
Term 10		
		Credits
MET 411	Advanced Computer Numerical Control	3.0
MET 421	Senior Design Project I	3.0
	Free elective	3.0
	Liberal studies elective	4.0
Term Credits		13.0
Term 11		
		Credits
MET 422	Senior Design Project II	3.0
	Free electives	6.0
	Liberal studies elective	3.0
	MET technical elective (See degree requirements for options)	3.0
Term Credits		15.0
Term 12		
		Credits
MET 423	Senior Design Project III	3.0
	Free elective	3.0
	Liberal studies elective	3.0
	MET technical elective (See degree requirements for options)	3.0
Term Credits		12.0
Total Credits (minimum)		192.5



Home
Contents
Index
E-mail
Search
Admissions

Drexel University

Catalog 2006 / 2007

Undergraduate Catalog

- All majors
- All minors
- Arts and Sciences
- Business
- Education
- Engineering
- Information Science and Technology
- Goodwin Professional
- Media Arts & Design
- Nursing and Health
- Biomedical Engineering
- ROTC

Graduate Catalog

- Arts and Sciences
- Business
- Education
- Engineering
- Goodwin Professional
- Information Science and Technology
- Law
- Media Arts & Design
- Nursing and Health
- Medicine
- Biomedical Engineering
- Public Health

Catalog Home

- All Course Descriptions
- Certificate programs
- Schedule

Prospective Students

Apply Online

[About Drexel](#) [Admissions](#) [Tuition/Fees](#) [Financial Aid](#) [Drexel Co-op](#) [Programs](#) [Policies](#)

Applied Engineering Technology Electrical Engineering Technology Concentration

Bachelor of Science Degree: 187.5 credits

Required courses

Humanities and social sciences requirements		34.0 Credits
ENGL 101	Expository Writing and Reading	3.0
ENGL 102	Persuasive Writing and Reading	3.0
ENGL 103	Analytical Writing and Reading	3.0
COM 111	Introduction to Corporate Communication	3.0
COM 230	Principles of Speech	3.0
ECON 201	Microeconomics	4.0
HIST 285	Technology in Historical Perspective	3.0
PHIL 315	Engineering Ethics	3.0
Liberal studies electives		9.0

Basic Science requirements		14.5 Credits
CHEM 111	General Chemistry I	4.0
CHEM 113	Chemistry Laboratory I	1.5
PHYS 152	Physics for Life Sciences I	4.5
PHYS 153	Physics for Life Sciences II	4.5

Mathematics requirements		15.0 Credits
MATH 110	Precalculus	3.0
MATH 121	Calculus and Analytic Geometry I	4.0
MATH 122	Calculus and Analytic Geometry II	4.0
STAT 201	Statistics I	4.0

Applied Engineering Technical Core		62.0 Credits
EET 201	Circuit Analysis I	4.0
EET 202	Circuit Analysis II	4.0
EET 203	Non-Destructive Evaluation of Materials	4.0
EET 204	Introduction to Nanotechnology	4.0
EET 205	Digital Electronics with Laboratory	4.0

EET 311	Modeling of Engineering Systems	4.0
EET 319	Programmable Logic Controllers	4.0
EET 401	Applied Micro-controllers	3.0
MET 100	Graphical Communication	4.0
MET 101	Manufacturing Materials	4.0
MET 204	Applied Quality Control	3.0
MET 205	Automation & Computer Assisted Machine Systems	3.0
MET 104	Fluid Power	3.0
MET 103	Applied Mechanics	4.0
MHT 205	Thermodynamics I	3.0
MHT 226	Measurement Lab	3.0
CIVE 240	Engineering Economics	3.0
INDE 370	Industrial Project Management	3.0

EET Concentration requirements **26.0 Credits**

EET 206	Analog Electronics I	4.0
EET 313	Signals and Systems I	4.0
EET 317	Analog Electronics II	4.0
EET 322	Energy Conversion	4.0
EET 323	Electrical Systems Design	3.0
EET 324	Power Electronics	4.0
EET 325	Microprocessors	3.0

EET Technical electives **6.0 Credits**

Students select 6.0 credits from the following courses:

EET 402	Control Engineering	3.0
EET 404	Signals and Systems II	3.0
EET 406	Communications	3.0
EET 407	Power Systems	3.0
EET 409	Optical System Design	3.0
MHT 295	Plasma Laboratory	2.0

Capstone course requirements **9.0 Credits**

MET 421	Project Design I	3.0
MET 422	Project Design II	3.0
MET 423	Project Design III	3.0

Miscellaneous **8.0 Credits**

CS 161	Introduction to Computing	3.0
EET 102	The Drexel Experience	2.0
UNIV 101	The Drexel Experience	2.0

Free electives	13.0 Credits
-----------------------	-------------------------

Recommended Plan Of Study

BS Applied Engineering Technology
 5 YR UG Co-op Concentration /Electrical Engineering Tech.

Term 1		Credits
CHEM 111	General Chemistry I	4.0
CHEM 113	General Chemistry I Laboratory	1.5
ENGL 101	Expository Writing and Reading	3.0
MATH 110	Precalculus	3.0
PHYS 152	Physics for Life Sciences I	4.5
UNIV 101	The Drexel Experience	1.0
EET 102	Introduction to Applied Engineering Technology	3.0
Term Credits		20.0
Term 2		Credits
ENGL 102	Persuasive Writing and Reading	3.0
MATH 121	Calculus I	4.0
MET 100	Graphical Communication	3.0
PHYS 153	Physics for Life Sciences II	4.5
UNIV 101	The Drexel Experience	1.0
Term Credits		15.5
Term 3		Credits
CS 161	Introduction to Computing	3.0
EET 201	Circuit Analysis I	4.0
ENGL 103	Analytical Writing and Reading	3.0
MATH 122	Calculus II	4.0
MET 101	Manufacturing Materials	4.0
Term Credits		18.0
Term 4		Credits
COM 111	Introduction to Corporate Communication	3.0
EET 202	Circuit Analysis II	4.0
EET 205	Digital Electronics with Laboratory	4.0
MHT 226	Measurement Lab	3.0
STAT 201	Business Statistics I	4.0
Term Credits		18.0
Term 5		Credits
EET 203	Non-Destructive Evaluation of Materials	3.0
EET 204	Introduction to Nanotechnology	3.0
HIST 285	Technology in Historical Perspective	3.0
MET 205	Automation and Computer-Integrated Manufacturing	4.0
MHT 205	Thermodynamics I	3.0
Term Credits		16.0
Term 6		Credits
COM 230	Techniques of Speaking	3.0
ECON 201	Economics I	4.0
EET 311	Modeling of Engineering Systems	4.0
EET 319	Programmable Logic Controllers	4.0
MET 103	Applied Mechanics	4.0
Term Credits		19.0
Term 7		Credits
CIVE 240	Engineering Economic Analysis	3.0
EET 401	Applied Micro-controllers	3.0
MET 104	Fluid Power	4.0
MET 204	Applied Quality Control	4.0
PHIL 315	Engineering Ethics	3.0

Term Credits		17.0
Term 8		
		Credits
EET 206	Analog Electronics I	4.0
EET 322	Energy Conversion	4.0
EET 325	Microprocessors	3.0
	Free elective	3.0
Term Credits		14.0
Term 9		
		Credits
EET 313	Signals and Systems I	4.0
EET 317	Analog Electronics II	4.0
EET 323	Electrical Systems Design	3.0
INDE 370	Industrial Project Management	3.0
Term Credits		14.0
Term 10		
		Credits
EET 324	Power Electronics	4.0
MET 421	Senior Design Project I	3.0
	Free elective	3.0
	Liberal studies elective	3.0
Term Credits		13.0
Term 11		
		Credits
MET 422	Senior Design Project II	3.0
	EET technical elective (See degree requirements for options)	3.0
	Free elective	3.0
	Liberal studies elective	3.0
Term Credits		12.0
Term 12		
		Credits
MET 423	Senior Design Project III	3.0
	EET technical elective (See degree requirements for options)	3.0
	Free elective	2.0
	Liberal studies elective	3.0
Term Credits		11.0
Total Credits (minimum)		187.5



- [Home](#)
- [Contents](#)
- [Index](#)
- [E-mail](#)
- [Search](#)
- [Admissions](#)

Drexel University

Catalog 2006 / 2007

Undergraduate Catalog

- All majors
- All minors
- Arts and Sciences
- Business
- Education
- Engineering
- Information Science and Technology
- Goodwin Professional
- Media Arts & Design
- Nursing and Health
- Biomedical Engineering
- ROTC

Graduate Catalog

- Arts and Sciences
- Business
- Education
- Engineering
- Goodwin Professional
- Information Science and Technology
- Law
- Media Arts & Design
- Nursing and Health
- Medicine
- Biomedical Engineering
- Public Health

Catalog Home

- All Course Descriptions
- Certificate programs
- Schedule

Prospective Students

Apply Online

- [About Drexel](#)
- [Admissions](#)
- [Tuition/Fees](#)
- [Financial Aid](#)
- [Drexel Co-op](#)
- [Programs](#)
- [Policies](#)

Applied Engineering Technology Mechanical Engineering Technology Concentration

Bachelor of Science Degree: 187.5 credits

Required courses

Humanities and social sciences requirements		34.0 Credits
ENGL 101	Expository Writing and Reading	3.0
ENGL 102	Persuasive Writing and Reading	3.0
ENGL 103	Analytical Writing and Reading	3.0
COM 111	Introduction to Corporate Communication	3.0
COM 230	Principles of Speech	3.0
ECON 201	Microeconomics	4.0
HIST 285	Technology in Historical Perspective	3.0
PHIL 315	Engineering Ethics	3.0
Liberal studies electives		9.0

Basic Science requirements		14.5 Credits
CHEM 111	General Chemistry I	4.0
CHEM 113	Chemistry Laboratory I	1.5
PHYS 152	Physics for Life Sciences I	4.5
PHYS 153	Physics for Life Sciences II	4.5

Mathematics requirements		15.0 Credits
MATH 110	Precalculus	3.0
MATH 121	Calculus and Analytic Geometry I	4.0
MATH 122	Calculus and Analytic Geometry II	4.0
STAT 201	Statistics I	4.0

Applied Engineering Technical Core		62.0 Credits
EET 201	Circuit Analysis I	4.0
EET 202	Circuit Analysis II	4.0
EET 203	Non-Destructive Evaluation of Materials	4.0
EET 204	Introduction to Nanotechnology	4.0
EET 205	Digital Electronics with Laboratory	4.0

EET 311	Modeling of Engineering Systems	4.0
EET 319	Programmable Logic Controllers	4.0
EET 401	Applied Micro-controllers	3.0
MET 100	Graphical Communication	4.0
MET 101	Manufacturing Materials	4.0
MET 204	Applied Quality Control	3.0
MET 205	Automation & Computer Assisted Machine Systems	3.0
MET 104	Fluid Power	3.0
MET 103	Applied Mechanics	4.0
MHT 205	Thermodynamics I	3.0
MHT 226	Measurement Lab	3.0
CIVE 240	Engineering Economics	3.0
INDE 370	Industrial Project Management	3.0

MHT Concentration requirements **26.0 Credits**

MHT 201	Kinematics	3.0
MHT 206	Thermodynamics II	3.0
MHT 222	Applied Dynamics	3.0
MHT 301	Fluid Mechanics I	3.0
MHT 314	Thermo and Heat Transfer Laboratory	3.0
MHT 401	Mechanical Design I	4.0
MHT 402	Mechanical Design II	4.0
MET 203	Machine Tool Processing	3.0

EET Technical electives **6.0 Credits**

Students select 6.0 credits from the following courses:

MHT 224	Applied Dynamics II	3.0
MHT 403	Fluid Mechanics II	4.0
MHT 404	Advanced Materials	4.0
MHT 405	HVAC	4.0
MHT 295	Environmental Control Plasma Lab	2.0

Capstone course requirements **9.0 Credits**

MET 421	Project Design I	3.0
MET 422	Project Design II	3.0
MET 423	Project Design III	3.0

Miscellaneous **8.0 Credits**

CS 161	Introduction to Computing	3.0
EET 102	The Drexel Experience	2.0
UNIV 101	The Drexel Experience	2.0

Free electives	13.0 Credits
-----------------------	-------------------------

Recommended Plan Of Study

BS Applied Engineering Technology
 5 YR UG Co-op Concentration /Mechanical Engineering Tech.

Term 1		Credits
CHEM 111	General Chemistry I	4.0
CHEM 113	General Chemistry I Laboratory	1.5
EET 102	Introduction to Applied Engineering Technology	3.0
ENGL 101	Expository Writing and Reading	3.0
MATH 110	Precalculus	3.0
PHYS 152	Physics for Life Sciences I	4.5
UNIV 101	The Drexel Experience	1.0
Term Credits		20.0
Term 2		Credits
ENGL 102	Persuasive Writing and Reading	3.0
MATH 121	Calculus I	4.0
MET 100	Graphical Communication	4.0
PHYS 153	Physics for Life Sciences II	4.5
UNIV 101	The Drexel Experience	1.0
Term Credits		16.5
Term 3		Credits
CS 161	Introduction to Computing	3.0
EET 201	Circuit Analysis I	4.0
ENGL 103	Analytical Writing and Reading	3.0
MATH 122	Calculus II	4.0
MET 101	Manufacturing Materials	4.0
Term Credits		18.0
Term 4		Credits
COM 111	Principles of Communication	3.0
EET 202	Circuit Analysis II	4.0
EET 205	Digital Electronics with Laboratory	4.0
MHT 226	Measurement Lab	3.0
STAT 201	Business Statistics I	4.0
Term Credits		18.0
Term 5		Credits
EET 203	Non-Destructive Evaluation of Materials	3.0
EET 204	Introduction to Nanotechnology	3.0
HIST 285	Technology in Historical Perspective	3.0
MET 205	Robotics and Mechatronics	3.0
MHT 205	Thermodynamics I	3.0
Term Credits		15.0
Term 6		Credits
COM 230	Techniques of Speaking	3.0
ECON 201	Economics I	4.0
EET 311	Modeling of Engineering Systems	4.0
EET 319	Programmable Logic Controllers	4.0
MET 103	Applied Mechanics	4.0
Term Credits		19.0
Term 7		Credits
CIVE 240	Engineering Economic Analysis	3.0
EET 401	Applied Micro-controllers	3.0
MET 204	Applied Quality Control	3.0
MET 209	Fluid Power	3.0
PHIL 315	Engineering Ethics	3.0

Term Credits		15.0
Term 8		
		Credits
MET 313	Machine Tool Processing	3.0
MHT 201	Kinematics	3.0
MHT 206	Thermodynamics II	3.0
MHT 222	Applied Dynamics I	3.0
MHT 301	Fluid Mechanics I	3.0
Term Credits		15.0
Term 9		
		Credits
INDE 370	Industrial Project Management	3.0
MHT 314	Thermo and Heat Transfer Lab	3.0
MHT 401	Mechanical Design I	4.0
	Free elective	3.0
Term Credits		13.0
Term 10		
		Credits
MET 421	Senior Design Project I	3.0
MHT 210	Mechanical Design II	4.0
	Free elective	4.0
	Liberal studies elective	3.0
Term Credits		14.0
Term 11		
		Credits
MET 422	Senior Design Project II	3.0
	Free elective	3.0
	Liberal studies elective	3.0
	MHT technical elective (See degree requirements for options)	3.0
Term Credits		12.0
Term 12		
		Credits
MET 423	Senior Design Project III	3.0
	Free elective	3.0
	Liberal studies elective	3.0
	MHT technical elective (See degree requirements for options)	3.0
Term Credits		12.0
Total Credits (minimum)		187.5

Undergraduate Catalog

- All majors
- All minors
- Arts and Sciences
- Business
- Education
- Engineering
- Information Science and Technology
- Goodwin Professional
- Media Arts & Design
- Nursing and Health
- Biomedical Engineering
- ROTC

Graduate Catalog

- Arts and Sciences
- Business
- Education
- Engineering
- Goodwin Professional
- Information Science and Technology
- Law
- Media Arts & Design
- Nursing and Health
- Medicine
- Biomedical Engineering
- Public Health

Catalog Home

- All Course Descriptions
- Certificate programs
- Schedule

Prospective Students

Apply Online

[About Drexel](#) [Admissions](#) [Tuition/Fees](#) [Financial Aid](#) [Drexel Co-op](#) [Programs](#) [Policies](#)

Construction Management

Construction management is a dynamic profession that is a combination of art and science. While an understanding of the technical aspects of construction is extremely important, it is also essential that construction professionals have knowledge of the business and management aspects of the profession. While construction has traditionally been a very conservative industry, the increasing rate of technological development and competition in the industry serves to accelerate the development of new construction methods, equipment, materials, and management techniques. As a result of these forces, there is an increasing need for innovative and professionally competent construction professionals. Students in this program receive broad academic, technical, business, and construction management courses that are designed to produce these well-rounded construction professionals.



Home
Contents
Index
E-mail
Search
Admissions

Drexel University

Catalog 2006 / 2007

[About Drexel](#) [Admissions](#) [Tuition/Fees](#) [Financial Aid](#) [Drexel Co-op](#) [Programs](#) [Policies](#)

Undergraduate Catalog

- All majors
- All minors
- Arts and Sciences
- Business
- Education
- Engineering
- Information Science and Technology
- Goodwin Professional
- Media Arts & Design
- Nursing and Health
- Biomedical Engineering
- ROTC

Graduate Catalog

- Arts and Sciences
- Business
- Education
- Engineering
- Goodwin Professional
- Information Science and Technology
- Law
- Media Arts & Design
- Nursing and Health
- Medicine
- Biomedical Engineering
- Public Health

Catalog Home

- All Course Descriptions
- Certificate programs
- Schedule

Prospective Students

Apply Online

Construction Management

Bachelor of Science Degree: 180.0 credits

Required courses

English requirements		9.0 Credits
ENGL 101	Expository Writing and Reading	3.0
ENGL 102	Persuasive Writing and Reading	3.0
ENGL 103	Analytical Writing and Reading	3.0

Mathematics requirements		11.0 Credits
CS 161	Introduction to Computing	3.0
MATH 101	Math Analysis I	4.0
MATH 102	Math Analysis II	4.0

Science requirements		18.5 Credits
CHEM 101	General Chemistry I	3.5
CHEM 102	General Chemistry II	4.5
CHEM 113	Chemistry Laboratory I	1.5
PHYS 182	Applied Physics I	3.0
PHYS 183	Applied Physics II	3.0
PHYS 184	Applied Physics III	3.0

Business requirements		28.0 Credits
ACCT 115	Financial Accounting	4.0
BLAW 201	Business Law I	4.0
ECON 201	Economics I	4.0
ECON 202	Economics II	4.0
FIN 301	Introduction to Finance	4.0
STAT 201	Statistics I	4.0
STAT 202	Statistics II	4.0

Humanities and social science		17.0 Credits
Humanities and social science electives		

Professional core requirements		70.0 Credits
CIVE 240	Engineering Economics	3.0
CIVE 251	Engineering Surveying	3.0
CMGT 161	Building Materials and Construction Management I	3.0
CMGT 162	Building Materials and Construction Management II	3.0
CMGT 253	Environmental Systems I	3.0
CMGT 254	Environmental Systems II	3.0
CMGT 261	Construction Safety	3.0
CMGT 262	Building Codes	3.0
CMGT 263	Understanding Construction Drawing	3.0
CMGT 264	Construction Management of Field Operations	3.0
CMGT 361	Contracts & Specifications I	3.0
CMGT 362	Contracts & Specifications II	3.0
CMGT 363	Estimating I	3.0
CMGT 364	Estimating II	3.0
CMGT 365	Soil Mechanics in Construction	4.0
CMGT 371	Structural Aspects in Construction I	3.0
CMGT 372	Structural Aspects in Construction II	3.0
CMGT 468	Real Estate Development	3.0
CMGT 461	Construction Management I	3.0
CMGT 462	Construction Management II	3.0
CMGT 463	Value Engineering I	3.0
CMGT 465	Marketing Construction Services	3.0
CMGT 467	Techniques of Project Control	3.0

Professional electives*	12.0 Credits
--------------------------------	-------------------------

Students select 12.0 credits from the following courses. Students may choose to take other professional electives but the permission of the Program Manager is required.

ACCT 116	Managerial Accounting Foundations	4.0
BLAW 202	Business Law II	4.0
CMGT 380	Special Topics: Leadership in Construction	3.0
CMGT 380	Special Topics: Construction in the Global Market	3.0
CMGT 380	Special Topics: HR in the Construction Industry	3.0
HRMT 330	Collective Bargaining	4.0
INDE 361	Quality Control	3.0

Free electives	15.0 Credits
-----------------------	-------------------------

Recommended Plan Of Study

BS Construction Management 5 YR UG Co-op Concentration

Term 1		Credits
CHEM 111	General Chemistry I	4.0
CHEM 113	General Chemistry I Laboratory	1.5
CMGT 161	Building Materials & Construction Methods I	3.0
ENGL 101	Expository Writing and Reading	3.0
MATH 101	Introduction to Analysis I	4.0
UNIV 101	The Drexel Experience	1.0
Term Credits		16.5
Term 2		Credits
CMGT 162	Building Materials & Construction Methods II	3.0
ECON 201	Economics I	4.0
ENGL 102	Persuasive Writing and Reading	3.0
MATH 102	Introduction to Analysis II	4.0
UNIV 101	The Drexel Experience	1.0
	Humanities/Social Science elective	3.0
Term Credits		18.0
Term 3		Credits
ACCT 111	Financial Accounting	3.0
CMGT 263	Understanding Construction Drawings	3.0
ECON 202	Economics II	4.0
ENGL 103	Analytical Writing and Reading	3.0
Term Credits		13.0
Term 4		Credits
CMGT 253	Environmental Systems I	3.0
CMGT 261	Construction Safety	3.0
CMGT 371	Structural Aspects in Construction I	3.0
FIN 301	Introduction to Finance	4.0
PHYS 152	Physics for Life Sciences I	4.5
Term Credits		17.5
Term 5		Credits
CMGT 254	Environmental Systems II	3.0
CMGT 372	Structural Aspects in Construction II	3.0
CMGT 465	Marketing Construction Services	3.0
STAT 201	Business Statistics I	4.0
Term Credits		13.0
Term 6		Credits
BLAW 201	Business Law I	4.0
CMGT 361	Contracts And Specifications I	3.0
STAT 202	Business Statistics II	4.0
	Humanities/Social Science elective	3.0
Term Credits		14.0
Term 7		Credits
CMGT 362	Contracts And Specifications II	3.0
CMGT 380	Special Topics: Labor Relations	3.0
PHIL 301	Business Ethics	3.0
	Free electives	6.0
Term Credits		15.0
Term 8		Credits
CIVE 240	Engineering Economic Analysis	3.0
CIVE 251	Engineering Surveying	3.0

CMGT 262	Building Codes	3.0
	Humanities/Social Science elective	3.0
	<i>Term Credits</i>	12.0
Term 9		Credits
CMGT 380	Spec Topics: Project Management	3.0
CMGT 468	Real Estate	3.0
	Free elective	3.0
	Humanities/Social Science elective	3.0
	Professional elective (See degree requirements for list)	3.0
	<i>Term Credits</i>	15.0
Term 10		Credits
CMGT 363	Estimating I	3.0
CMGT 461	Construction Management I	3.0
ORGB 300	Organizational Behavior	4.0
	Free elective	3.0
	Humanities/Social Science elective	3.0
	<i>Term Credits</i>	16.0
Term 11		Credits
CMGT 364	Estimating II	3.0
CMGT 462	Construction Management II	3.0
CMGT 463	Value Engineering I	3.0
	Free elective	3.0
	Humanities/Social Science elective	3.0
	<i>Term Credits</i>	15.0
Term 12		Credits
CMGT 467	Techniques of Project Control	3.0
	Free elective	3.0
	Professional electives (See degree requirements for list)	9.0
	<i>Term Credits</i>	15.0
Total Credits (minimum)		180.0



[Home](#)
[Contents](#)
[Index](#)
[E-mail](#)
[Search](#)
[Admissions](#)

Drexel University

Catalog 2006 / 2007

Undergraduate Catalog

- All majors
- All minors
- Arts and Sciences
- Business
- Education
- Engineering
- Information Science and Technology
- Goodwin Professional
- Media Arts & Design
- Nursing and Health
- Biomedical Engineering
- ROTC

Graduate Catalog

- Arts and Sciences
- Business
- Education
- Engineering
- Goodwin Professional
- Information Science and Technology
- Law
- Media Arts & Design
- Nursing and Health
- Medicine
- Biomedical Engineering
- Public Health

Catalog Home

- All Course Descriptions
- Certificate programs
- Schedule

Prospective Students

Apply Online

[About Drexel](#) [Admissions](#) [Tuition/Fees](#) [Financial Aid](#) [Drexel Co-op](#) [Programs](#) [Policies](#)

Communications and Applied Technology

Overview

The Bachelor of Science in Communications and Applied Technology is a multidisciplinary program designed for individuals who want to increase their knowledge of all aspects of business communications and relevant communication technologies, while understanding the business principles that are necessary to achieve corporate goals. The major offers a multidisciplinary approach combining theoretical and applied learning principles and encompasses the spectrum of internal and external communications that organizations utilize in their management and marketing functions. The program is tailored to meet the needs of people who sell, communicate, and manage in industries that are heavily customer oriented and are involved in or affected by world markets. The goal of the program is to increase students' understanding of communication, management, applicable technology, business, the world economy, and relationships within their corporate culture.

Program Goals:

- Combine communications and technology skills training with study of sound business fundamentals.
- Hone written, oral, and interpersonal communication skills for effectiveness in a variety of organizational settings, with both internal and external audiences.
- Expand written communication skills including research and design skills to produce reports, proposals, web sites, and other corporate documents.
- Provide conceptual understanding of various principles of management and organizational processes.
- Develop problem-solving, conflict-management, and decision-making skills
- Examine factors that explain international movement of persons, goods, services, financial capital, and technology across national boundaries.
- Understand legal and ethical issues in business communication, technological advancement, employer-employee relations, obligations to customers, and foreign populations.

Assessment of Prior Learning

The Goodwin College of Professional Studies will grant transfer credit for American Council on Education (ACE)-evaluated corporate training offered by

professional associations such as the American Institute of Banking, the American College, and the College for Financial Planning as well as for industry certifications such as Microsoft Certified Professional. ACE-evaluated military training will be considered as well. In addition, credit by examination earned via College-Level Examination Program (CLEP), Defense Activity for Nontraditional Education Support (DANTES), Thomas Edison College Examination Program (TECEP), and Excelsior College Examinations (ECE) will also be assessed. All credits earned through assessment of prior learning are subject to advisor approval.

Curriculum

To complete the Bachelor of Science degree in Communications and Applied Technology, students must earn a minimum of 180 quarter credits comprising the following:

- English Composition
- Humanities
- Social Sciences
- Physical Sciences
- Mathematics
- Business
- Computing Technology
- Customer Operations



Home
Contents
Index
E-mail
Search
Admissions

Drexel University

Catalog 2006 / 2007

[About Drexel](#) [Admissions](#) [Tuition/Fees](#) [Financial Aid](#) [Drexel Co-op](#) [Programs](#) [Policies](#)

Undergraduate Catalog

- All majors
- All minors
- Arts and Sciences
- Business
- Education
- Engineering
- Information Science and Technology
- Goodwin Professional
- Media Arts & Design
- Nursing and Health
- Biomedical Engineering
- ROTC

Graduate Catalog

- Arts and Sciences
- Business
- Education
- Engineering
- Goodwin Professional
- Information Science and Technology
- Law
- Media Arts & Design
- Nursing and Health
- Medicine
- Biomedical Engineering
- Public Health

Catalog Home

- All Course Descriptions
- Certificate programs
- Schedule

Prospective Students

Apply Online

Communications and Applied Technology

Bachelor of Science Degree in General Studies: 180.0 credits

Required courses

English composition requirements 9.0 Credits

ENGL 101	Expository Writing and Reading	3.0
ENGL 102	Persuasive Writing and Reading	3.0
ENGL 103	Analytical Writing and Reading	3.0

Mathematics requirements 9.0 Credits

MATH 181	Mathematical Analysis I	3.0
MATH 182	Mathematical Analysis II	3.0
MATH 183	Mathematical Analysis III	3.0

Science requirements (Choose one sequence) 6.0 Credits

BIO 161	General Biology I	3.0
BIO 162	General Biology II	3.0
or		
CHEM 161	General Chemistry I	3.0
CHEM 162	General Chemistry II	3.0

Humanities Electives 12.0 Credits

Four humanities electives*	12.0
----------------------------	------

*Africana studies, communication, fine arts (history of architecture, art, film, music, theatre), foreign language, linguistics, literature, philosophy, women's studies, writing.

Social Science Electives* 18.0 Credits

Six social science electives	18.0
------------------------------	------

**Anthropology, economics, history, political science, psychology, sociology.

Free Electives 32.0 Credits

No more than 5 credits of free electives may be in business

Business requirements 40.0 Credits

ACCT 115	Financial Accounting Foundations	4.0
--------------------------	----------------------------------	-----

BLAW 201	Business Law I	4.0
ECON 201	Economics I	4.0
ECON 202	Economics II	4.0
FIN 301	Introduction to Finance	4.0
INTB 200	International Business	4.0
MKTG 301 WI	Introduction to Marketing Management	4.0
ORGB 300 WI	Organizational Behavior	4.0
OPM 300 WI	Operations Management	4.0
STAT 201	Statistics I	4.0

Communications and Applied Technology 54.0 Credits

CAT 200	Strategies for Lifelong Learning	3.0
CAT 201	Interpersonal Communication	3.0
CAT 301	Project Management	3.0
CAT 302	Customer Service Theory and Practice	3.0
CAT 303	Client Relations Management	3.0
CAT 360	Applied Organizational Research	3.0
CAT 491	Senior Project in CAT I	3.0
CAT 492	Senior Project in CAT II	3.0
COM 230	Techniques of Speaking	3.0
COM 240	New Technologies in Communication	3.0
COM 270 WI	Business Communication	3.0
COM 370 WI	Advanced Business Writing	3.0
COM 335 WI	Writing for the World Wide Web	3.0
COM 340	Desktop Publishing	3.0
CT 230	Web Development I: Introduction	3.0
CT 240	Web Development II: E-Commerce	3.0
CT 385	Web Development II: Database*	3.0
PHIL 323	Organizational Ethics	3.0

*After completion of CT 230, CT 240 and CT 385, students can sit for the Certified Internet Webmaster (CIW) exam.



Home
Contents
Index
E-mail
Search
Admissions

Drexel University

Catalog 2006 / 2007

Undergraduate Catalog

- All majors
- All minors
- Arts and Sciences
- Business
- Education
- Engineering
- Information Science and Technology
- Goodwin Professional
- Media Arts & Design
- Nursing and Health
- Biomedical Engineering
- ROTC

Graduate Catalog

- Arts and Sciences
- Business
- Education
- Engineering
- Goodwin Professional
- Information Science and Technology
- Law
- Media Arts & Design
- Nursing and Health
- Medicine
- Biomedical Engineering
- Public Health

Catalog Home

- All Course Descriptions
- Certificate programs
- Schedule

Prospective Students

Apply Online

[About Drexel](#) [Admissions](#) [Tuition/Fees](#) [Financial Aid](#) [Drexel Co-op](#) [Programs](#) [Policies](#)

Computing and Security Technology

The Computing and Security Technology curriculum centers on the application of software and hardware technology to solve real-world problems. Attention is given to maintenance and administration of information systems, with courses covering each of the major components of computer infrastructure: hardware, servers, Linux, Windows, networks, web, security, databases and OO programming.

The Computing and Security Technology program is supported by eight state-of-the-art computer labs in the Goodwin College building and faculty are selected based on their academic credentials and industry experience.

Students have an opportunity to pursue two educational paths: a concentration in computing technology or a concentration in computing security. Each concentration consists of 96 credits, divided into 60 credits of core courses and 36 credits of required courses in the specific concentration.

For additional information about this major, visit the [Goodwin College of Professional Studies](#) web site.



Home
Contents
Index
E-mail
Search
Admissions

Drexel University

Catalog 2006 / 2007

[About Drexel](#) [Admissions](#) [Tuition/Fees](#) [Financial Aid](#) [Drexel Co-op](#) [Programs](#) [Policies](#)

Undergraduate Catalog

- All majors
- All minors
- Arts and Sciences
- Business
- Education
- Engineering
- Information Science and Technology
- Goodwin Professional
- Media Arts & Design
- Nursing and Health
- Biomedical Engineering
- ROTC

Graduate Catalog

- Arts and Sciences
- Business
- Education
- Engineering
- Goodwin Professional
- Information Science and Technology
- Law
- Media Arts & Design
- Nursing and Health
- Medicine
- Biomedical Engineering
- Public Health

Catalog Home

- All Course Descriptions
- Certificate programs
- Schedule

Prospective Students

Apply Online

Computing Technology

Bachelor of Science Degree: 185.0 credits

Required courses

English requirements		12.0 Credits
COM 230	Techniques of Speaking	3.0
ENGL 101	Expository Writing and Reading	3.0
ENGL 102	Persuasive Writing and Reading	3.0
ENGL 103	Analytical Writing and Reading	3.0

Mathematics requirements		9.0 Credits
MATH 181	Mathematical Analysis I	3.0
MATH 182	Mathematical Analysis II	3.0
MATH 183	Mathematical Analysis III	3.0

Natural Science requirements		9.0 Credits
BIO 151	Applied Biology	3.0
CHEM 151	Applied Chemistry	3.0
PHYS 151	Applied Physics I	3.0

Liberal studies electives *

*Students must complete 12.0 credits in Liberal Studies covering a range of subject areas in the humanities and/or social sciences: anthropology, psychology, sociology, political science, history, philosophy, literature, economics, communication, music or art.

Free electives

Computing Technology Core Requirements		60.0 Credits
CT 200	Server I	3.0
CT 320	Server II	3.0
CT 140	Network Administration I	3.0
CT 330	Network Administration II	3.0
CT 350	Network Administration III	3.0
CT 210	Linux I	3.0

CT 310	Linux II	3.0
CT 410	Linux III	3.0
CT 340	Operating System Architecture I	3.0
CT 360	Operating System Architecture II	3.0
CT 380	Operating System Architecture III	3.0
CT 230	Web Development I	3.0
CT 240	Web Development II	3.0
CT 385	Web Development III	3.0
CT 392	Web Development IV	3.0
CT 400	Network Security I	3.0
CT 395	IT Security I	3.0
CT 420	IT Security II	3.0
CT 491	Senior Project I	3.0
CT 496	Senior Project II	3.0

Computing Technology Concentration requirements **36.0 Credits**

CT 100	Microcomputer Hardware	3.0
CT 120	Microcomputer Operating System	3.0
CT 220	Database I	3.0
CT 375	Database II	3.0
CT 425	Database III	3.0
CT 430	Database IV	3.0
CT 435	Database V	3.0
CT 370	OO Systems Analysis	3.0
CT 290	OO Client Side Programming	3.0
CT 390	OO Server Side Programming	3.0
CT 405	OO Enterprise Programming	3.0
CT 431	Project Management	3.0

Computing Technology electives

CT 438	Database VI	4.0
CT 388	Special Topics in Computing Technology I	4.0
CT 389	Special Topics in Computing Technology II	4.0

Computing Security Concentration requirements **36.0 Credits**

CT 300	Security Technology Models and Architecture	3.0
CT 312	Access Control and Intrusion Detection Technology	3.0
CT 315	Security Management Practice	3.0
CT 325	O/S Security Architecture I	3.0
CT 336	IP Security and VPN Technology	3.0
CT 393	IP Security Risk Assessment	3.0
CT 402	Network Security II	3.0
CT 412	IT Security Policies	3.0
CT 415	Disaster Recovery and ContinuityPlanning	3.0

CT 422	Incident Response Best Practices	3.0
CT 432	IT Security System Audits	3.0
CT 472	IT Security Defense Countermeasures	3.0

Computing Security electives

CT 382	Applied Cryptography	3.0
CT 212	Computer Forensics	3.0
CT 222	Security and Information Warfare	3.0
CT 295	Public Key Infrastructure Technology	3.0
CT 326	O/S Security Architecture II	3.0
CT 355	Wireless Network Security	3.0
CT 362	Network Auditing	3.0

Undergraduate Catalog

- All majors
- All minors
- Arts and Sciences
- Business
- Education
- Engineering
- Information Science and Technology
- Goodwin Professional
- Media Arts & Design
- Nursing and Health
- Biomedical Engineering
- ROTC

Graduate Catalog

- Arts and Sciences
- Business
- Education
- Engineering
- Goodwin Professional
- Information Science and Technology
- Law
- Media Arts & Design
- Nursing and Health
- Medicine
- Biomedical Engineering
- Public Health

Catalog Home

- All Course Descriptions
- Certificate programs
- Schedule

Prospective Students

Apply Online

[About Drexel](#)
[Admissions](#)
[Tuition/Fees](#)
[Financial Aid](#)
[Drexel Co-op](#)
[Programs](#)
[Policies](#)

Culinary Arts

Bachelor of Science Degree: 184.0 credits

The Culinary Arts program at Drexel University prepares students for leadership positions in the fine foods segment of the hospitality industry.

- [About the major](#)
- [Program delivery options](#)
- [Required courses](#)
- [Full-time plan of study](#)
- [Career opportunities](#)
- [Course descriptions](#)
- [Academic advising](#)
- [Facilities](#)
- [Faculty](#)

Modified: Jan 18, 2007	Home	Contents	Index	Email	Search	Feedback
------------------------------	----------------------	--------------------------	-----------------------	-----------------------	------------------------	--------------------------

Undergraduate Catalog

- All majors
- All minors
- Arts and Sciences
- Business
- Education
- Engineering
- Information Science and Technology
- Goodwin Professional
- Media Arts & Design
- Nursing and Health
- Biomedical Engineering
- ROTC

Graduate Catalog

- Arts and Sciences
- Business
- Education
- Engineering
- Goodwin Professional
- Information Science and Technology
- Law
- Media Arts & Design
- Nursing and Health
- Medicine
- Biomedical Engineering
- Public Health

Catalog Home

- All Course Descriptions
- Certificate programs
- Schedule

Prospective Students

Apply Online

[About Drexel](#) [Admissions](#) [Tuition/Fees](#) [Financial Aid](#) [Drexel Co-op](#) [Programs](#) [Policies](#)

Culinary Arts

The culinary arts program prepares students for leadership positions in the fine foods segment of the hospitality industry. This baccalaureate degree in culinary arts is among the first of its kind in the United States. This program comprises approximately equal parts liberal arts, business and administration, hospitality management, and culinary arts. Students also receive a minor in business administration as well as completing the first year of foundation courses required for any accredited MBA degree. The incentive allows students to continue their education by taking advantage of many of the one-year MBA programs currently offered throughout the United States. In addition, the culinary arts program has taken on an exciting new area of specialization: Culinology. The Research Chef's association defines Culinology as a merger between culinary arts and food science. It is now nationally recognized as a valued discipline and an emerging trend within the field of culinary education and the industry at large. Specific jobs for professionals with skills in the culinary arts and Culinology include food research and development professionals, corporate R & D chefs, applied food science specialists and chef educators.

For more information, visit the [Culinary Arts and Hospitality Management Programs](#) web site.



Home
Contents
Index
E-mail
Search
Admissions

Drexel University

Catalog 2006 / 2007

[About Drexel](#) [Admissions](#) [Tuition/Fees](#) [Financial Aid](#) [Drexel Co-op](#) [Programs](#) [Policies](#)

Undergraduate Catalog

- All majors
- All minors
- Arts and Sciences
- Business
- Education
- Engineering
- Information Science and Technology
- Goodwin Professional
- Media Arts & Design
- Nursing and Health
- Biomedical Engineering
- ROTC

Graduate Catalog

- Arts and Sciences
- Business
- Education
- Engineering
- Goodwin Professional and Technology
- Law
- Media Arts & Design
- Nursing and Health
- Medicine
- Biomedical Engineering
- Public Health

Catalog Home

- All Course Descriptions
- Certificate programs
- Schedule

Prospective Students

Apply Online

Culinary Arts

Bachelor of Science Degree:

General education requirements		Credits
COM 280	Public Relations	3.0
ENGL 101	Expository Writing and Reading	3.0
ENGL 102	Persuasive Writing and Reading	3.0
ENGL 103	Analytical Writing and Reading	3.0
MATH 101	Introduction to Analysis I	4.0
MATH 102	Introduction to Analysis II	4.0
NFS 101	Introduction to Nutrition and Foods	3.0
HRM 210	Safety and Sanitation	4.0
UNIV 101	The Drexel Experience	2.0
Arts and humanities electives		9.0
Social science electives		6.0
Free electives		12.0

Business minor courses		Credits
ACCT 115	Financial Accounting Foundations	4.0
ECON 201	Economics I	4.0
ECON 202	Economics II	4.0
FIN 301	Introduction to Finance	4.0
MKTG 301 WI	Introduction to Marketing Management	4.0
ORGB 300 WI	Organizational Behavior	4.0
OPM 300 WI	Operations Management	4.0
STAT 201	Statistics I	4.0

Departmental requirements		Credits
HRM 110	Introduction to the Hospitality Industry	3.0
HRM 115	Culinary Science	3.0
HRM 120	Principles of Food-Service Management	3.0
HRM 130	Tourism I	3.0
HRM 150	Customer Service	3.0
HRM 215	Commercial Food Production	3.0
HRM 200	Productivity Software for the Hospitality Industry	3.0
HRM 230	Design Application Seminar	3.0
HRM 310	Hospitality Accounting Systems	3.0

HRM 320	Hospitality Management Information Systems	3.0
HRM 330	Hospitality Marketing	3.0
HRM 335	Beverage Management	3.0
HRM 410	Laws of Hospitality Industry	3.0
HRM 455	Hospitality Human Resources	3.0

Culinary arts requirements		Credits
CULA 200	Professional Skills Laboratory I: Starch Workshop	1.5
CULA 205	Professional Skills Laboratory II: Butchery Workshop	1.5
CULA 210	Professional Skills Laboratory III: Baking Workshop	1.5
CULA 215	Foundations of Professional Baking	3.0
CULA 220	Patisserie I	2.0
CULA 225	Patisserie II	2.0
CULA 230	Major Techniques and Traditions	3.0
CULA 235	Professional Dining Room Management	1.5
CULA 300	Vegetarian Cuisine	3.0
CULA 305	The Italian Tradition	3.0
CULA 310	The French Tradition	3.0
CULA 315	The American Tradition	3.0
CULA 320	Advanced Culinary Studio	3.0
CULA 325	Garde Manger Lab	2.0
CULA 400	Directed Study With a Master Chef	2.0
CULA 405	Culture and Gastronomy I	3.0
CULA 410	Culture and Gastronomy II	3.0
CULA 415	Food Styling and Show Competition	2.0
CULA 420	Senior Design Project	3.0
CULA 216	A la Carte Cuisine	3.0

Recommended Plan Of Study

BS Culinary Arts
4 YR UG Co-op Concentration

Term 1		Credits
ENGL 101	Expository Writing and Reading	3.0
HRM 110	Introduction to the Hospitality Industry	3.0
HRM 130	Tourism I	3.0
HRM 200	Software for Hospitality Industry	3.0
MATH 101	Introduction to Math Analysis I	4.0
UNIV 101	The Drexel Experience	1.0
Term Credits		17.0
Term 2		Credits
ENGL 102	Persuasive Writing and Reading	3.0
HRM 150	Customer Service	3.0
HRM 210	Safety and Sanitation	3.0
MATH 102	Introduction to Math Analysis II	4.0
UNIV 101	The Drexel Experience	1.0
Term Credits		14.0
Term 3		Credits
ENGL 103	Analytical Writing and Reading	3.0
HRM 120	Principles of Food-Service Management	3.0
HRM 410	Laws of Hospitality Industry	3.0
NFS 101	Introduction to Nutrition and Food	3.0
	Arts and Humanities elective	3.0
Term Credits		15.0
Term 4		Credits
ACCT 115	Financial Accounting Foundations	4.0
ECON 201	Economics I	4.0
HRM 115	Culinary Science	3.0
HRM 220	Purchasing for the Hospitality Industry	3.0
HRM 230	Design Application Seminar	3.0
Term Credits		17.0
Term 5		Credits
CULA 215	Foundations of Professional Baking	3.0
CULA 230	Major Techniques and Tradition	3.0
ECON 202	Economics II	4.0
HRM 215	Commercial Food Production	3.0
HRM 310	Hospitality Accounting Systems	3.0
Term Credits		16.0
Term 6		Credits
CULA 205	Professional Skills Laboratory II	1.5
CULA 216	A la Carte Cuisine	3.0
CULA 220	Patisserie I	2.0
CULA 235	Professional Dining Room Management	1.5
CULA 315	The American Tradition	3.0
CULA 325	The Garde Manger Laboratory	2.0
Term Credits		13.0
Term 7		Credits
CULA 200	Professional Skills Laboratory I	1.5
CULA 305	The Italian Tradition	3.0
STAT 201	Statistics I	4.0
	Arts and Humanities elective	3.0
	Culinary Arts (CULA) elective	3.0

Term Credits		14.5
Term 8		Credits
CULA 225	Patisserie II	2.0
CULA 310	The French Tradition	3.0
CULA 405	Culture and Gastronomy I	3.0
FIN 301	Introduction to Finance	4.0
	Arts and Humanities elective	3.0
	Culinary Arts (CULA) elective	3.0
Term Credits		18.0
Term 9		Credits
COM 280	Public Relations	3.0
CULA 210	Professional Skills Laboratory III	1.5
CULA 300	Vegetarian Cuisine	3.0
CULA 410	Culture and Gastronomy II	3.0
OPM 300	Operations Management	4.0
	Arts and Humanities elective	3.0
Term Credits		17.5
Term 10		Credits
CULA 400	Directed Studies with a Master Chef	2.0
CULA 415	Food Styling and Show Competition	2.0
HRM 330	Hospitality Marketing	3.0
ORGB 300	Organizational Behavior	4.0
	Culinary Arts (CULA) elective	3.0
Term Credits		14.0
Term 11		Credits
CULA 320	Advanced Culinary Studio	3.0
HRM 320	Hospitality Management Information Systems	3.0
HRM 335	Beverage Management	3.0
MKTG 301	Introduction to Marketing Management	4.0
Term Credits		13.0
Term 12		Credits
CULA 420	Senior Design Project	3.0
HRM 455	Hospitality Human Resources Management	3.0
	Culinary Arts (CULA) elective	3.0
	Social science electives	6.0
Term Credits		15.0
Total Credits (minimum)		184.0



[Home](#)
[Contents](#)
[Index](#)
[E-mail](#)
[Search](#)
[Admissions](#)

Drexel University

Catalog 2006 / 2007

Undergraduate Catalog

- All majors
- All minors
- Arts and Sciences
- Business
- Education
- Engineering
- Information Science and Technology
- Goodwin Professional
- Media Arts & Design
- Nursing and Health
- Biomedical Engineering
- ROTC

Graduate Catalog

- Arts and Sciences
- Business
- Education
- Engineering
- Goodwin Professional
- Information Science and Technology
- Law
- Media Arts & Design
- Nursing and Health
- Medicine
- Biomedical Engineering
- Public Health

Catalog Home

- All Course Descriptions
- Certificate programs
- Schedule

Prospective Students

Apply Online

[About Drexel](#) [Admissions](#) [Tuition/Fees](#) [Financial Aid](#) [Drexel Co-op](#) [Programs](#) [Policies](#)

General Studies

The General Studies program is designed for students who wish to gain a breadth of knowledge in the humanities, social sciences, and natural sciences. In addition, general studies students focus on a particular area of interest by following one of the concentrations that exist in the program:

[Individualized Studies](#)

This is a concentration designed for individuals with a diverse college background and varied educational interests that cannot be captured in a single degree program. In consultation with their academic advisor, students select a specialization within the concentration according to their interests. Students have the opportunity to experiment in a variety of academic subjects through a generous amount of free electives. An attractive feature is that students can complete certificate programs en route to their B.S. degree.

[Liberal Studies](#)

A concentration in Liberal Studies provides a broad-based liberal arts education that increases one's appreciation of the world at large and lays the necessary groundwork for graduate study. All liberal studies students take courses in communication, art or architecture history, literature, philosophy, history, political science, psychology, anthropology/sociology, and liberal studies electives. The final 36 credits in the course of study comprise the student's concentration requirements. Students choose to concentrate in either humanities or social sciences. The humanities concentration usually appeals to students interested in focusing on the fine arts, foreign language, literature, or writing. The social science concentration is excellent preparation for graduate school (including law school), research, and careers in which one would deal extensively with people.

[Physical Sciences](#)

A concentration in Physical Sciences can lead to graduate school, careers in research and, with the selection of natural science courses, medical, dental, pharmacy, and veterinary school. Students take courses in the following areas: calculus, biology, chemistry, and physics.

For more information on this major, visit [Goodwin College's General Studies](#) web page.



- [Home](#)
- [Contents](#)
- [Index](#)
- [E-mail](#)
- [Search](#)
- [Admissions](#)

Drexel University

Catalog 2006 / 2007

[About Drexel](#) [Admissions](#) [Tuition/Fees](#) [Financial Aid](#) [Drexel Co-op](#) [Programs](#) [Policies](#)

Undergraduate Catalog

- All majors
- All minors
- Arts and Sciences
- Business
- Education
- Engineering
- Information Science and Technology
- Goodwin Professional
- Media Arts & Design
- Nursing and Health
- Biomedical Engineering
- ROTC

Graduate Catalog

- Arts and Sciences
- Business
- Education
- Engineering
- Goodwin Professional
- Information Science and Technology
- Law
- Media Arts & Design
- Nursing and Health
- Medicine
- Biomedical Engineering
- Public Health

Catalog Home

- All Course Descriptions
- Certificate programs
- Schedule

Prospective Students

Apply Online

Individualized Studies

Bachelor of Science Degree in General Studies: 180.0 credits

Required courses

English requirements 12.0 Credits

ENGL 101	Expository Writing and Reading	3.0
ENGL 102	Persuasive Writing and Reading	3.0
ENGL 103	Analytical Writing and Reading	3.0
COM 230	Techniques of Speaking	3.0

Mathematics and Computers requirements 12.0 Credits

MATH 181	Mathematical Analysis I	3.0
MATH 182	Mathematical Analysis II	3.0
MATH 183	Mathematical Analysis III	3.0
CS 161	Introduction to Computing	3.0

Natural Science requirements 9.0 Credits

BIO 151	Applied Biology	3.0
CHEM 151	Applied Chemistry	3.0
PHYS 151	Applied Physics	3.0

Specialization Requirements 45.0 Credits

Students must complete 45.0 credits within an area of specialization.

Liberal Studies requirements 36.0 Credits

Students must complete 36.0 credits in Liberal Studies, covering a range of subject areas in the humanities and/or social sciences: anthropology, psychology, sociology, political science, history, philosophy, literature, economics, communication, music, and art.

Free electives 66.0 Credits

Drexel University

Catalog 2006 / 2007

Undergraduate Catalog

- All majors
- All minors
- Arts and Sciences
- Business
- Education
- Engineering
- Information Science and Technology
- Goodwin Professional
- Media Arts & Design
- Nursing and Health
- Biomedical Engineering
- ROTC

Graduate Catalog

- Arts and Sciences
- Business
- Education
- Engineering
- Goodwin Professional
- Information Science and Technology
- Law
- Media Arts & Design
- Nursing and Health
- Medicine
- Biomedical Engineering
- Public Health

Catalog Home

- All Course Descriptions
- Certificate programs
- Schedule

Prospective Students

Apply Online

[About Drexel](#)
[Admissions](#)
[Tuition/Fees](#)
[Financial Aid](#)
[Drexel Co-op](#)
[Programs](#)
[Policies](#)

General Studies

Bachelor of Science Degree: 180.0 credits

Recommended Plan of Study

General Studies is an individualized plan of study currently advised by Ann M. Solan. Students enroll in the program with a variety of different academic backgrounds, and may apply their credit hours from other institutions toward this multi-disciplinary degree. Flexible policies on transfer credits provide students with the ability to build upon prior coursework and earn a baccalaureate degree relevant to their individualized educational needs. Through the General Studies major, students can create an interdisciplinary program to meet their individual educational goals or to prepare for a particular job or career.

Students majoring in General Studies, in consultation with the director of the program, devise a personalized study plan. The plan of study provides a rationale for their concentration and how the elective credits are to be used.

Modified: Jan 18, 2007	Home	Contents	Index	Email	Search	Feedback
------------------------------	----------------------	--------------------------	-----------------------	-----------------------	------------------------	--------------------------



Home
Contents
Index
E-mail
Search
Admissions

Drexel University

Catalog 2006 / 2007

Undergraduate Catalog

- All majors
- All minors
- Arts and Sciences
- Business
- Education
- Engineering
- Information Science and Technology
- Goodwin Professional
- Media Arts & Design
- Nursing and Health
- Biomedical Engineering
- ROTC

Graduate Catalog

- Arts and Sciences
- Business
- Education
- Engineering
- Goodwin Professional
- Information Science and Technology
- Law
- Media Arts & Design
- Nursing and Health
- Medicine
- Biomedical Engineering
- Public Health

Catalog Home

- All Course Descriptions
- Certificate programs
- Schedule

Prospective Students

Apply Online

[About Drexel](#) [Admissions](#) [Tuition/Fees](#) [Financial Aid](#) [Drexel Co-op](#) [Programs](#) [Policies](#)

Liberal Studies

Bachelor of Science Degree in General Studies: 180.0 credits

Required courses

English requirements 9.0 Credits

ENGL 101	Expository Writing and Reading	3.0
ENGL 102	Persuasive Writing and Reading	3.0
ENGL 103	Analytical Writing and Reading	3.0

Mathematics and Computers requirements 12.0 Credits

MATH 181	Mathematical Analysis I	3.0
MATH 182	Mathematical Analysis II	3.0
CS 161	Introduction to Computing	3.0
	Statistics elective	3.0

Natural Science requirements 9.0 Credits

BIO 151	Applied Biology	3.0
CHEM 151	Applied Chemistry	3.0
PHYS 151	Applied Physics	3.0

Communication requirements 9.0 Credits

COM 210	Theory and Models of Communication	3.0
COM 230	Techniques of Speaking	3.0
	Communication elective	3.0

Women's or African-American Studies requirements 3.0 Credits

Music requirements 3.0 Credits

MUSC 130	Introduction to Music	3.0
--------------------------	-----------------------	-----

Art History/Architecture requirements 9.0 Credits

ARTH 101	History of Art I: Ancient to Medieval	3.0
ARTH 102	History of Art II: Renaissance to Modern	3.0
ARTH 103	History of Art III: Early Modern to Postmodernism	3.0

or

ARCH 141	Architecture and Society I	3.0
ARCH 142 WI	Architecture and Society II	3.0
ARCH 143 WI	Architecture and Society III	3.0

Liberal Studies requirements 69.0 Credits

Students must complete 69.0 credits in Liberal Studies covering a range of subjects in the humanities and/or social sciences.

History	9.0
Literature	9.0
Philosophy	9.0
Political Science	9.0
Psychology	9.0
Anthropology or Sociology	9.0
Liberal Studies electives*	15.0

*(Subjects listed above, plus economics, women's and African-American studies, and music/art history.)

Concentration Requirements **36.0 Credits**

Students must complete 36.0 credits within an area of concentration focusing on the humanities and/or social sciences. Courses must be upper level with at least 18.0 credits selected from one discipline. Social Science students are required to take SOC 250 and SOC 350: Research Methods I & II as part of their concentration.

Humanities/Social Science courses include anthropology, psychology, sociology, political science, history, philosophy, and literature.

Free electives **21.0 Credits**



Home
Contents
Index
E-mail
Search
Admissions

Drexel University

Catalog 2006 / 2007

Undergraduate Catalog

- All majors
- All minors
- Arts and Sciences
- Business
- Education
- Engineering
- Information Science and Technology
- Goodwin Professional
- Media Arts & Design
- Nursing and Health
- Biomedical Engineering
- ROTC

Graduate Catalog

- Arts and Sciences
- Business
- Education
- Engineering
- Goodwin Professional
- Information Science and Technology
- Law
- Media Arts & Design
- Nursing and Health
- Medicine
- Biomedical Engineering
- Public Health

Catalog Home

- All Course Descriptions
- Certificate programs
- Schedule

Prospective Students

Apply Online

[About Drexel](#) [Admissions](#) [Tuition/Fees](#) [Financial Aid](#) [Drexel Co-op](#) [Programs](#) [Policies](#)

Physical Sciences

Bachelor of Science Degree in General Studies: 180.0 credits

Required courses

English requirements 9.0 Credits

ENGL 101	Expository Writing and Reading	3.0
ENGL 102	Persuasive Writing and Reading	3.0
ENGL 103	Analytical Writing and Reading	3.0

Mathematics and Computer Science requirements 19.0 Credits

CS 171	Computer Programming I	3.0
MATH 121	Calculus I	4.0
MATH 122	Calculus II	4.0
MATH 123	Calculus III	4.0
MATH 200	Multivariate Calculus	4.0

Communication requirements 6.0 Credits

COM 230	Techniques of Speaking	3.0
COM 310	Technical Communication	3.0

Philosophy requirements 6.0 Credits

PHIL 351	Philosophy of Technology	3.0
or		
PHIL 361	Philosophy of Science	
PHIL 251	Ethics	3.0
or		
BMES 338	Biomedical Ethics and Law	

Physical Science requirements 37.5 Credits

Biology		
BIO 161	General Biology I	3.0
BIO 162	General Biology II	3.0
BIO 163	General Biology III	3.0
Chemistry		
CHEM 161	General Chemistry I	3.0
CHEM 162	General Chemistry II	3.0
CHEM 163	General Chemistry II	3.0
CHEM 164	General Chemistry Lab I	2.0
CHEM 165	General Chemistry Lab II	2.5

Physics

PHYS 185	Physics I	3.0
PHYS 186	Physics I-A	2.0
PHYS 187	Physics II	3.0
PHYS 188	Physics II-A	2.0
PHYS 281	Physics III	3.0
PHYS 282	Physics III-A	2.0

Physical Science electives	27.0 Credits
-----------------------------------	---------------------

Students must complete 27.0 credits of natural science electives. Courses must be upper level in biology, chemistry, and/or physics.

Liberal Studies electives	27.0 Credits
----------------------------------	---------------------

Students must complete 27.0 credits covering a range of subjects in the humanities and/or social sciences: anthropology, economics, fine arts, history, literature, philosophy, political science, psychology, sociology, etc.

Free electives	48.5 Credits
-----------------------	---------------------



Home
Contents
Index
E-mail
Search
Admissions

Drexel University

Catalog 2006 / 2007

Undergraduate Catalog

- All majors
- All minors
- Arts and Sciences
- Business
- Education
- Engineering
- Information Science and Technology
- Goodwin Professional
- Media Arts & Design
- Nursing and Health
- Biomedical Engineering
- ROTC

Graduate Catalog

- Arts and Sciences
- Business
- Education
- Engineering
- Goodwin Professional
- Information Science and Technology
- Law
- Media Arts & Design
- Nursing and Health
- Medicine
- Biomedical Engineering
- Public Health

Catalog Home

- All Course Descriptions
- Certificate programs
- Schedule

Prospective Students

Apply Online

[About Drexel](#) [Admissions](#) [Tuition/Fees](#) [Financial Aid](#) [Drexel Co-op](#) [Programs](#) [Policies](#)

Hospitality Management

The Hospitality Management program at Drexel University, Goodwin College recognizes the critical importance of an interdisciplinary education with a global perspective for tomorrow's leaders and managers. Committed to building student knowledge across functional areas and contributing disciplines, the program allows for increased specialization with concentrations in one of four areas:

- Food & Beverage Management
- Gaming and Resort Management
- Travel and Tourism
- Hotel Management Administration

According to The Gourman Report, which provides rankings of undergraduate programs in American and international universities, Drexel University's Hospitality Management program was ranked in the top tenth percentile of national programs.

For more information, visit the [Culinary Arts and Hospitality Management Programs](#) web site.



Home
Contents
Index
E-mail
Search
Admissions

Drexel University

Catalog 2006 / 2007

[About Drexel](#) [Admissions](#) [Tuition/Fees](#) [Financial Aid](#) [Drexel Co-op](#) [Programs](#) [Policies](#)

Undergraduate Catalog

- All majors
- All minors
- Arts and Sciences
- Business
- Education
- Engineering
- Information Science and Technology
- Goodwin Professional
- Media Arts & Design
- Nursing and Health
- Biomedical Engineering
- ROTC

Graduate Catalog

- Arts and Sciences
- Business
- Education
- Engineering
- Goodwin Professional
- Information Science and Technology
- Law
- Media Arts & Design
- Nursing and Health
- Medicine
- Biomedical Engineering
- Public Health

Catalog Home

- All Course Descriptions
- Certificate programs
- Schedule

Prospective Students

Apply Online

Hospitality Management

Bachelor of Science Degree:

General education requirements		Credits
COM 230	Techniques of Speaking	3.0
COM 280	Public Relations	3.0
ENGL 101	Expository Writing and Reading	3.0
ENGL 102	Persuasive Writing and Reading	3.0
ENGL 103	Analytical Writing and Reading	3.0
MATH 101	Introduction to Analysis I	4.0
MATH 102	Introduction to Analysis II	4.0
NFS 101	Introduction to Nutrition and Foods	3.0
UNIV 101	The Drexel Experience	2.0
Foreign language courses or arts and humanities electives		12.0
Social science electives		6.0
Free electives		12.0

Business minor courses		Credits
ACCT 115	Financial Accounting Foundations	4.0
ECON 201	Economics I	4.0
ECON 202	Economics II	4.0
FIN 301	Introduction to Finance	4.0
MKTG 301 WI	Introduction to Marketing Management	4.0
ORGB 300 WI	Organizational Behavior	4.0
OPM 300 WI	Operations Management	4.0
STAT 201	Statistics I	4.0

Departmental requirements		Credits
HRM 110	Introduction to the Hospitality Industry	3.0
HRM 115	Culinary Science	3.0
HRM 120	Principles of Food-Service Management	3.0
HRM 130	Tourism I	3.0
HRM 135	Tourism II	3.0
HRM 150	Customer Service	3.0
HRM 200	Productivity Software for the Hospitality Industry	3.0
HRM 210	Safety and Sanitation	3.0
HRM 215	Commercial Food Production	3.0

HRM 230	Design Application Seminar	3.0
HRM 310	Hospitality Accounting Systems	3.0
HRM 320	Hospitality Management Information Systems	3.0
HRM 325	Hotels Rooms Division Management	3.0
HRM 330	Hospitality Marketing	3.0
HRM 335	Beverage Management	3.0
HRM 410	Laws of Hospitality Industry	3.0
HRM 455	Hospitality Human Resources	3.0
	Concentration courses	21.0- 22.0
	Departmental electives	15.0

Concentrations

Food and Beverage Management (F&B)

Courses		Credits
HRM 220	Purchasing for the Hospitality Industry	3.0
HRM 250	Contract Food-Service Management	3.0
HRM 315	Continental, Ethnic, and Regional Cuisine	3.0
HRM 340	Catering Management	3.0
HRM 350	Cost Controls in Hospitality	3.0
HRM 415	Fine Dining	4.0
HRM 435	Wine and Spirits	3.0

Lodging Administration (LA)

Courses		Credits
HRM 345	Convention and Trade Shows Management	3.0
HRM 420	Hotel/Restaurant Architecture:History and Design	3.0
HRM 350	Cost Controls in Hospitality	3.0
HRM 465	Special Topics: Franchise Management in HMA	3.0
HRM 465	Special Topics: Room Division Management	3.0
HRM 465	Special Topics: Hotel Sales and Marketing	3.0
HRM 465	Special Topics: Resort Development	3.0

Tourism and Travel (T&T)

Courses		Credits
HRM 150	Customer Service	3.0
HRM 345	Convention and Trade Shows Management	3.0
HRM 365	Heritage Tourism	3.0
HRM 399	Guest Lecture Series	3.0
HRM 465	Special Topics: Airline Operations	3.0
HRM 465	Special Topics: Current Research in T&T	3.0
HRM 465	Special Topics: TTOO and TTAA Management	3.0
HRM 465	Special Topics: Tourism Economics	3.0

Recommended Plan Of Study

BS Hospitality Management 4 YR UG Co-op Concentration

Term 1		Credits
ENGL 101	Expository Writing and Reading	3.0
HRM 110	Introduction to the Hospitality	3.0
HRM 130	Tourism I	3.0
HRM 200	Productivity Software for the Hospitality Industry	3.0
MATH 101	Introduction to Math Analysis I	4.0
UNIV 101	The Drexel Experience	1.0
Term Credits		17.0
Term 2		Credits
ENGL 102	Persuasive Writing and Reading	3.0
HRM 150	Customer Service	3.0
HRM 210	Safety and Sanitation	3.0
MATH 102	Introduction to Math Analysis II	4.0
UNIV 101	The Drexel Experience	1.0
Term Credits		14.0
Term 3		Credits
ENGL 103	Analytical Writing and Reading	3.0
HRM 115	Culinary Science	3.0
HRM 120	Principles of Food-Service Management	3.0
HRM 135	Tourism II	3.0
HRM 410	Laws of Hospitality Industry	3.0
NFS 101	Introduction to Nutrition and Food	3.0
Term Credits		18.0
Term 4		Credits
ACCT 115	Financial Accounting Foundations	4.0
ECON 201	Economics I	4.0
HRM 215	Commercial Food Production	3.0
HRM 230	Design Application Seminar	3.0
Term Credits		14.0
Term 5		Credits
ECON 202	Economics II	4.0
HRM 310	Hospitality Accounting Systems	3.0
HRM 325	Hotel Room Division Management	3.0
	Free elective	3.0
	HRMT concentration course (See degree requirements for list)	3.0
Term Credits		16.0
Term 6		Credits
STAT 201	Statistics I	4.0
	Arts and Humanities elective	3.0
	HRMT concentration course (See degree requirements for list)	3.0
	Hospitality Management program elective	3.0
Term Credits		13.0
Term 7		Credits
	Arts and Humanities elective	3.0
	HRMT concentration course (See degree requirements for list)	3.0
	Hospitality Management program elective	3.0
	Social science elective	3.0
Term Credits		12.0
Term 8		Credits
COM 230	Techniques of Speaking	3.0

FIN 301	Introduction to Finance	5.0
	HRMT concentration course (See degree requirements for list)	3.0
	Hospitality Management program elective	3.0
	Term Credits	14.0
Term 9		Credits
COM 280	Public Relations	3.0
OPM 300	Operations Management	4.0
	Arts and Humanities elective	3.0
	Free elective	3.0
	HRMT concentration course (See degree requirements for list)	3.0
	Hospitality Management program elective	3.0
	Term Credits	19.0
Term 10		Credits
HRM 330	Hospitality Marketing	3.0
ORGB 300	Organizational Behavior	4.0
	Arts and Humanities elective	3.0
	Free elective	3.0
	HRMT concentration course (See degree requirements for list)	3.0
	Term Credits	16.0
Term 11		Credits
HRM 320	Hospitality Management Information Systems	3.0
HRM 335	Beverage Management	3.0
MKTG 301	Introduction to Marketing Management	4.0
	HRMT concentration course (See degree requirements for list)	3.0
	Term Credits	13.0
Term 12		Credits
HRM 455	Hospitality Human Resources Management	3.0
	Free elective	3.0
	HRMT concentration course (See degree requirements for list)	3.0
	Hospitality Management program elective	3.0
	Social science elective	3.0
	Term Credits	15.0
	Total Credits (minimum)	181.0

Undergraduate Catalog

- All majors
- All minors
- Arts and Sciences
- Business
- Education
- Engineering
- Information Science and Technology
- Goodwin Professional
- Media Arts & Design
- Nursing and Health
- Biomedical Engineering
- ROTC

Graduate Catalog

- Arts and Sciences
- Business
- Education
- Engineering
- Goodwin Professional
- Information Science and Technology
- Law
- Media Arts & Design
- Nursing and Health
- Medicine
- Biomedical Engineering
- Public Health

Catalog Home

- All Course Descriptions
- Certificate programs
- Schedule

Prospective Students

Apply Online

[About Drexel](#) [Admissions](#) [Tuition/Fees](#) [Financial Aid](#) [Drexel Co-op](#) [Programs](#) [Policies](#)

Industrial Engineering Technology

The current demand for industrial engineers is high, but the supply of credentialed industrial engineers is limited. The trend toward an automated workplace and demands for greater efficiency in business and industry further enhance employment prospects for industrial engineers.

Coursework

The coursework for the Bachelor of Science in Industrial Engineering Technology provides a solid understanding of materials, design, statistics, operations research, information systems, methods engineering, manufacturing engineering, cost accounting, and production economy. Emphasis is placed on basic engineering and applied science, with the remainder of the program devoted to the humanities and those aspects of management pertinent to organizing and managing systems to produce and distribute services and products. Through the selection of electives, the curriculum offers options for specialization in a number of areas, providing the student with a sound basis for graduate study in management and industrial engineering.

Core courses include chemistry, calculus, physics, computer programming, principles of economics, technical writing, and coursework in various engineering principles. In the final year, students complete three levels of project design in a team setting.

For more information on this major, visit Goodwin College's [Industrial Engineering Technology](#) web page.



Home
 Contents
 Index
 E-mail
 Search
 Admissions

Drexel University

Catalog 2006 / 2007

[About Drexel](#) [Admissions](#) [Tuition/Fees](#) [Financial Aid](#) [Drexel Co-op](#) [Programs](#) [Policies](#)

Undergraduate Catalog

- All majors
- All minors
- Arts and Sciences
- Business
- Education
- Engineering
- Information Science and Technology
- Goodwin Professional
- Media Arts & Design
- Nursing and Health
- Biomedical Engineering
- ROTC

Graduate Catalog

- Arts and Sciences
- Business
- Education
- Engineering
- Goodwin Professional
- Information Science and Technology
- Law
- Media Arts & Design
- Nursing and Health
- Medicine
- Biomedical Engineering
- Public Health

Catalog Home

- All Course Descriptions
- Certificate programs
- Schedule

Prospective Students

Apply Online

Industrial Engineering Technology

Bachelor of Science Degree: 186.0 credits

Required courses

English composition requirements		15.0 Credits
ENGL 101	Expository Writing and Reading	3.0
ENGL 102	Persuasive Writing and Reading	3.0
ENGL 103	Analytical Writing and Reading	3.0
COM 310	Technical Communication	3.0
COM 230	Principles of Communication	3.0

Mathematics requirements		21.0 Credits
MATH 121	Calculus I	4.0
MATH 122	Calculus II	4.0
MATH 123	Calculus III	4.0
MATH 261	Linear Algebra	3.0
STAT 261	Statistics I	3.0
STAT 262	Statistics II	3.0

Science requirements		20.0 Credits
CHEM 161	General Chemistry I	3.0
CHEM 164	Chemistry Laboratory	2.0
PHYS 185	Physics I	3.0
PHYS 186	Physics I-A	2.0
PHYS 187	Physics II	3.0
PHYS 188	Physics II-A	2.0
PHYS 281	Physics III	3.0
PHYS 282	Physics III-A	2.0

Business requirements		12.0 Credits
ACCT 115	Financial Accounting Foundations	4.0
FIN 301	Introduction to Finance	4.0
MKTG 301 WI	Introduction to Marketing Management	4.0

Humanities and Social Science requirements 17.0
Credits

ECON 201	Economics I	4.0
ECON 202	Economics II	4.0
HIST 285	Technology in Historical Perspective	3.0
PHIL 315	Engineering Ethics	3.0
Two Humanities and Social Sciences electives*		6.0

* [HIST 285](#) Technology in Historical Perspective is a recommended Humanities and Social Sciences elective.

Engineering sciences requirements		17.0 Credits
CT 100	Microcomputer Hardware	3.0
CT 290	Client Side Programmig	3.0
MET 100	Graphical Communication	4.0
MET 101	Manufacturing Materials	4.0

Industrial Engineering Core requirements		49.0 Credits
INDE 300	Quality Management	3.0
INDE 350	Industrial Engineering Simulation	3.0
INDE 351	Intelligent Manufacturing Systems	3.0
INDE 361	Quality Control	3.0
INDE 362	Operations Research for Engineering I	3.0
INDE 363	Operations Research for Engineering II	3.0
INDE 365	Systems Analysis Methods I	3.0
INDE 366	Systems Analysis Methods II	3.0
INDE 367	Data Processing	3.0
INDE 370	Industrial Project Management	3.0
INDE 470	Engineering Quality Methods	3.0
INDE 490	Senior Project Design	4.0
OPM 300 WI	Operations Management	4.0
OPM 341	Supply Chain Management	4.0
OPM 325	Advanced Planning and Control of Operations	4.0

Professional (Technical) electives		21.0 Credits
---	--	---------------------

Free electives		14.0 Credits
-----------------------	--	---------------------

Recommended Plan Of Study

BS Industrial Engineering Technology

Term 1		Credits
CHEM 161	General Chemistry I	3.0
CHEM 164	General Chemistry Laboratory I	2.0
ENGL 101	Expository Writing and Reading	3.0
MATH 121	Calculus I	4.0
Term Credits		12.0
Term 2		Credits
CT 100	Microcomputer Hardware	3.0
ENGL 102	Persuasive Writing and Reading	3.0
MATH 122	Calculus II	4.0
PHYS 185	Physics I	3.0
PHYS 186	Physics I-A	2.0
Term Credits		15.0
Term 3		Credits
ENGL 103	Analytical Writing and Reading	3.0
MATH 123	Calculus III	4.0
MET 101	Manufacturing Materials	4.0
PHYS 187	Physics II	3.0
PHYS 188	Physics II-A	2.0
Term Credits		16.0
Term 4		Credits
COM 111	Principles of Communication	3.0
MATH 261	Linear Algebra	3.0
MET 100	Graphical Communication	4.0
PHYS 281	Physics III	3.0
PHYS 282	Physics III-A	2.0
Term Credits		15.0
Term 5		Credits
ACCT 115	Financial Accounting Foundations	4.0
HIST 285	Technology in Historical Perspective	3.0
INDE 362	Operations Research for Engineering I	3.0
STAT 261	Statistics I	3.0
	Humanities/Social Science elective	3.0
Term Credits		16.0
Term 6		Credits
FIN 301	Introduction to Finance	4.0
INDE 363	Operations Research for Engineering II	3.0
INDE 365	Systems Analysis Methods I	3.0
STAT 262	Statistics II	3.0
	Free electives	6.0
Term Credits		19.0
Term 7		Credits
CT 290	Client Side Programming	3.0
INDE 361	Quality Control	3.0
OPM 300	Operations Management	4.0
	Free elective	3.0
Term Credits		13.0
Term 8		Credits
ECON 201	Economics I	4.0
INDE 350	Industrial Engineering Simulation	3.0

INDE 366	Systems Analysis Methods II	3.0
INDE 370	Industrial Project Management	3.0
OPM 325	Control Production & Operations	4.0
	Technical elective	3.0
	Term Credits	20.0
Term 9		Credits
COM 230	Techniques of Speaking	3.0
ECON 202	Economics II	4.0
INDE 351	Intelligent Manufacturing Systems	4.0
PHIL 315	Engineering Ethics	3.0
	Technical elective	3.0
	Term Credits	17.0
Term 10		Credits
CIVE 240	Engineering Economic Analysis	3.0
INDE 300	Quality Management	3.0
MKTG 301	Introduction to Marketing Management	4.0
	Technical electives	6.0
	Term Credits	16.0
Term 11		Credits
INDE 367	Data Processing	3.0
INDE 470	Engineering Quality Methods	3.0
POM 341	Advanced Operations Planning & Control	3.0
	Free elective	3.0
	Technical elective	3.0
	Term Credits	15.0
Term 12		Credits
INDE 490	Senior Project Design	4.0
	Free elective	3.0
	Technical electives	6.0
	Term Credits	13.0
Total Credits (minimum)		187.0

Undergraduate Catalog

- All majors
- All minors
- Arts and Sciences
- Business
- Education
- Engineering
- Information Science and Technology
- Goodwin Professional
- Media Arts & Design
- Nursing and Health
- Biomedical Engineering
- ROTC

Graduate Catalog

- Arts and Sciences
- Business
- Education
- Engineering
- Goodwin Professional
- Information Science and Technology
- Law
- Media Arts & Design
- Nursing and Health
- Medicine
- Biomedical Engineering
- Public Health

Catalog Home

- All Course Descriptions
- Certificate programs
- Schedule

Prospective Students

Apply Online

[About Drexel](#) [Admissions](#) [Tuition/Fees](#) [Financial Aid](#) [Drexel Co-op](#) [Programs](#) [Policies](#)

Sport Management

Through Drexel's [Sport Management program](#), students master the knowledge and skills necessary for success in the fields of Sport Management, athletics/coaching, sports psychology and other professions supporting sports and recreation.

The program focuses on the integration of applicable areas of learning including communications, nutrition, human performance, psychology, athletics and business management. It uses a multidisciplinary approach (athletics and human performance; sport and the psycho-socio-cultural process; sports as an industry) to understand sports and manage the sports industry. Students will also develop the important supporting skills in technology. The major emphasizes the practical application of skills to the solution of problems in the management of sports, athletics and recreation on the professional, amateur and community level.

Coursework

The B. S. in Sport Management consists of 181 credits. All students enrolled in the program are required to take 47 credits of general education courses plus 49 credits of core courses on the foundations of Sport Management. These courses are supplemented by 27 credits of free electives. The balance of the program is based on technical elective courses drawn from four major concentrations, namely Athletics, Health & Human Performance (15 credits); The Business of Sport (15 credits); Sport & the Psycho-Socio-Cultural Process (15 credits); Technology for Sport Management (13 credits).

Degree Completion Options

The Bachelor of Science degree in sport management can be completed in either four or five years:

Five-year option, with co-op experience

This option allows for the greatest amount of employment experience, with three distinct six-month periods of employment included with studies. After the start of the sophomore year, students study or work through all terms, including summers.

Four-year option, with internship experience

This option includes just one six-month period of full-time employment. After the start of the sophomore year, students study or work through all terms, including summers.



Home
Contents
Index
E-mail
Search
Admissions

Drexel University

Catalog 2006 / 2007

[About Drexel](#) [Admissions](#) [Tuition/Fees](#) [Financial Aid](#) [Drexel Co-op](#) [Programs](#) [Policies](#)

Undergraduate Catalog

- All majors
- All minors
- Arts and Sciences
- Business
- Education
- Engineering
- Information Science and Technology
- Goodwin Professional
- Media Arts & Design
- Nursing and Health
- Biomedical Engineering
- ROTC

Graduate Catalog

- Arts and Sciences
- Business
- Education
- Engineering
- Goodwin Professional
- Information Science and Technology
- Law
- Media Arts & Design
- Nursing and Health
- Medicine
- Biomedical Engineering
- Public Health

Catalog Home

- All Course Descriptions
- Certificate programs
- Schedule

Prospective Students

Apply Online

Sport Management

Bachelor of Science Degree: 181.0 credits

General education requirements 47.0 Credits

BIO 151	Applied Biology I	3.0
CHEM 151	Applied Chemistry	3.0
COM 230	Techniques of Speaking	3.0
COM 270	Writing for Business	3.0
CS 161	Introduction to Computing	3.0
or		
INFO 101	Introduction to Information Technology	3.0
ENGL 101	Expository Writing and Reading	3.0
ENGL 102	Persuasive Writing and Reading	3.0
ENGL 103	Analytical Writing and Reading	3.0
MATH 101	Introduction to Analysis I	4.0
MATH 102	Introduction to Analysis II	4.0
PHYS 151	Applied Physics	3.0
PSCI 100	Introduction to Political Science	4.0
UNIV 101	The Drexel Experience	2.0

Select one of the following three English courses:

ENGL 200 WI	Classical to Medieval Literature	3.0
ENGL 201	Renaissance to the Enlightenment	3.0
ENGL 202 WI	Romanticism to Modernism	3.0

Select one of the following two English courses:

ENGL 203 WI	Post-Colonial Literature I: Africa/Asia/Caribbean/Japan/Middle East	3.0
ENGL 204	Post-Colonial Literature II: Africa/Asia/Caribbean/Japan/Middle East	3.0

Core courses 52.0 Credits

BUSN 101	Foundations of Business I	4.0
ACCT 115	Financial Accounting Foundations	4.0
COM 290	Sports and the Mass Media	3.0
ORGB 300 WI	Organizational Behavior	4.0
HRMT 323	Principles of Human Resource Administration	4.0
SMT 110	Business of Sport	3.0
SMT 152	Leadership in Sport and Society	3.0

SMT 200	Introduction to Facility and Event Management	3.0
SMT 201	Sports Marketing, Promotion and Public Relations	3.0
SMT 230	Sport and the Law	3.0
SMT 250	Technology and Sport	3.0
SMT 300	Quantitative Analysis /Statistics for Sports	3.0
SMT 320	Economic Aspects of Sport Management	3.0
PHIL 325	Ethics in Sport Management	3.0
PSY 245	Sports Psychology	3.0
SOC 268	Sociology of Sport	3.0

Athletics, Health and Human Performance

15.0 Credits

Select five of the following courses:

ANAT 101	Anatomy & Physiology I	5.0
BCS 352	Life-Span Human Development*	3.0
NFS 101	Introduction to Nutrition and Foods	3.0
NFS 310	Nutrition and Sports	3.0
PSY 310	Drugs and Human Behavior	3.0
SMT 280	Kinesiology	3.0
SMT 101	Principles of Coaching	3.0
SMT 120	Life Skills for Coaches	3.0
SMT 210	Prevention/Care for Athletic Injuries	3.0
SMT 340	International Aspects of Sport Management	3.0
SMT 390	Special Topics in Sport Management	3.0

* Course offered through the College of Nursing and Health Professions

The Business of Sport

15.0 Credits

BLAW 201	Business Law I	4.0
ECON 201	Economics I	4.0

In addition to BLAW 201 and ECON 201, students select from following electives to complete a minimum of 15.0 credits in this area:

ACCT 116	Managerial Accounting Foundations	4.0
BLAW 202	Business Law II	4.0
ECON 202	Economics II	4.0
MKTG 301	Introduction to Marketing Management	4.0
SMT 220	Recreation, Wellness and Society	3.0
SMT 235	Sports Administration and Governance	3.0
SMT 340	International Aspects of Sport Management	3.0
SMT 365	Operations Management in Sports	3.0
SMT 475	Coaching Practicum	3.0

Sport and the Psycho/Socio-cultural Process

15.0 Credits

Select five of the following courses:

PHIL 210	Philosophy of Sport	3.0
PSY 101	General Psychology I	3.0
PSY 120	Developmental Psychology	3.0

PSY 140	Approaches to Personality	3.0
PSY 212	Physiological Psychology	3.0
PSY 230	Psychology of Learning	3.0
PSY 342	Counseling Psychology	3.0
PSY 355	Health Psychology	3.0
SMT 330	Gender Equity and Women in Sport	3.0
SMT 335	Minority Issues and Opportunities in Sport	3.0
SOC 101	Introduction to Sociology	3.0
SOC 210	Race and Ethnic Relations	3.0
SOC 250	Research Methods I	3.0

Technology for Sport Management	13.0 Credits
--	---------------------

COM 240	New Technologies in Communication	3.0
COM 335	Writing for the World Wide Web	3.0
MIS 300	Management of Information Systems	4.0
	Technology elective**	3.0

**Suggested Technology electives include: COM 300 On-line Journalism, COM 340 Desktop Publishing, INFO 102 Intro to Information Systems, INFO 105 Information Evaluation, Organization and Use, DIGM 150 Overview of Digital Media, FMVD 110 Shooting and Lighting, MIS 341 Micro-computing Technology for Business. Check with the Sport Management program for additional technical elective options.

Electives	26.0 Credits
Free electives***	26.0

*** Students may pursue a minor or take further studies in the sport management area electives.

Writing-Intensive Course Requirements

In order to graduate, all students beginning with the entering class of 2002/01 (fall, 2002) 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 indicates that this course can fulfill a writing-intensive requirement. Departments will designate specific sections of such courses as writing-intensive. Sections of writing-intensive courses are not indicated in this catalog. Students should check the section comments in Banner when registering. Students scheduling their courses in Banner can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term. For more information on writing-intensive courses, see the Drexel University Writing Program's [Writing-Intensive Course](#) page.

Recommended Plan Of Study

BS Sport Management 5 YR UG Co-op Concentration

Term 1		Credits
BUSN 101	Foundations of Business I	4.0
ENGL 101	Expository Writing and Reading	3.0
MATH 101	Introduction to Math Analysis I	4.0
SMT 110	Business of Sports	3.0
SOC 101	Introduction to Sociology	3.0
UNIV 101	The Drexel Experience	1.0
Term Credits		18.0
Term 2		Credits
BIO 151	Applied Biology	3.0
ENGL 102	Persuasive Writing and Reading	3.0
MATH 102	Introduction to Math Analysis II	4.0
PSY 101	General Psychology I	3.0
SMT 200	Facility and Event Management	3.0
UNIV 101	The Drexel Experience	1.0
Term Credits		17.0
Term 3		Credits
ACCT 115	Financial Accounting Foundations	4.0
CHEM 151	Applied Chemistry	3.0
ENGL 103	Analytical Writing and Reading	3.0
CS 161	Introduction to Computing	3.0
or		
INFO 101	Introduction to Information Technology	3.0
	Athletics/Health/Performance course (See degree requirement)	3.0
Term Credits		16.0
Term 4		Credits
BLAW 201	Business Law I	4.0
COM 270	Business Communication	3.0
COM 290	Sports and the Mass Media	3.0
PHYS 151	Applied Physics	3.0
SMT 250	Technology and Sport	3.0
Term Credits		16.0
Term 5		Credits
COM 230	Techniques of Speaking	3.0
ECON 201	Economics I	4.0
PSY 245	Sports Psychology	3.0
SMT 201	Sports Marketing, Promotion, and Public Relations	3.0
	Athletics/Health/Performance course (See degree requirement)	3.0
Term Credits		16.0
Term 6		Credits
COM 240	New Technologies in Communication	3.0
SMT 152	Leadership in Sport and Society	3.0
SOC 268	Sociology of Sport	3.0
	Business of Sport course (See degree requirements for list)	3.0
	Free elective	3.0
Term Credits		15.0
Term 7		Credits
ORGB 300	Organizational Behavior	4.0
PSCI 100	Introduction to Political Science	4.0
	Athletics/Health/Performance course (See degree requirement)	3.0
	Sport & Pscyo/Sociocultural course (See degree requirements)	3.0

Term Credits		14.0
Term 8		Credits
HRMT 323	Principles of Human Resource Administration	4.0
ENGL 203	Post-Colonial Literature I	3.0
or		
ENGL 204	Post-Colonial Literature II	3.0
	Business of Sport course (See degree requirements for list)	3.0
	Free elective	3.0
	Sport & Pscyo/Sociocultural course (See degree requirments)	3.0
Term Credits		16.0
Term 9		Credits
MIS 300	Management Information Systems	4.0
ENGL 200	Classical to Medieval Literature	3.0
or		
ENGL 201	Renaissance to the Enlightenment	3.0
or		
ENGL 202	Romanticism to Modernism	3.0
	Business of Sport course (See degree requirements for list)	3.0
	Free elective	4.0
Term Credits		14.0
Term 10		Credits
PHIL 325	Ethics in Sports Management	3.0
SMT 300	Quantitative Analysis and Statistics in Sport	3.0
	Business of Sport course (See degree requirements for list)	3.0
	Free elective	3.0
	Technology elective (See degree requirements)	3.0
Term Credits		15.0
Term 11		Credits
COM 335	Writing for the World Wide Web	3.0
SMT 230	Sport and the Law	3.0
	Athletics/Health/Performance course (See degree requirement)	3.0
	Free elective	3.0
Term Credits		12.0
Term 12		Credits
SMT 320	Economic Aspects of Sports Management	3.0
	Free electives	6.0
	Sport & Pscyo/Sociocultural course (See degree requirments)	3.0
Term Credits		12.0
Total Credits (minimum)		181.0



Drexel University

Catalog 2006 / 2007

Undergraduate Catalog

- All majors
- All minors
- Arts and Sciences
- Business
- Education
- Engineering
- Information Science and Technology
- Goodwin Professional
- Media Arts & Design
- Nursing and Health
- Biomedical Engineering
- ROTC

Graduate Catalog

- Arts and Sciences
- Business
- Education
- Engineering
- Goodwin Professional
- Information Science and Technology
- Law
- Media Arts & Design
- Nursing and Health
- Medicine
- Biomedical Engineering
- Public Health

Catalog Home

- All Course Descriptions
- Certificate programs
- Schedule

Prospective Students

Apply Online

Minor in Construction Management

Students in Civil Engineering, Architectural Engineering and Architecture may select to pursue Construction Management as a minor area of study. Because construction is inherently related to design in these disciplines, the Construction Management minor can be a natural extension of each field of study.

The requirements for the minor include:

- completion of a minimum of 24 credits
- courses used to fulfill general education requirements may not be counted toward an academic minor
- up to nine credits earned within the student's major may be counted toward the minor with minor department approval.
- prerequisite courses may be counted toward the minor if recommended by the minor department.

Required courses	Credits
CMGT 161 Building Materials and Construction Management I	3.0
CMGT 162 Building Materials and Construction Management II	3.0
CMGT 361 Contracts & Specifications I	3.0
CMGT 362 Contracts & Specifications II	3.0
CMGT 363 Estimating I	3.0
CMGT 467 Techniques of Project Control	3.0

Two of the following elective courses may be chosen to meet the minor requirements* :

CMGT 261 Construction Safety	3.0
CMGT 263 Understanding Construction Drawing	3.0
CMGT 364 Estimating II	3.0
CMGT 461 Construction Management I	3.0
CMGT 462 Construction Management II	3.0
CMGT 463 Value Engineering I	3.0
CMGT 465 Marketing Construction Services	3.0

* Choice of electives must be approved by the department based on the student's major field and prior experience.

Certain courses within the student's major may also be used to meet the minor requirements. These include:

ARCH 261 Environmental Systems I	3.0
ARCH 262 Environmental Systems II	3.0
CIVE 240 Engineering Economics	3.0
ARCH 161 Architectural Construction*	3.0

* ARCH 161 can be substituted for CMGT 161 for Architects. An elective may be substituted for CMGT 162.

Modified: Jan 18, 2007	Home	Contents	Index	Email	Search	Feedback
------------------------------	------	----------	-------	-------	--------	----------

Undergraduate Catalog

- All majors
- All minors
- Arts and Sciences
- Business
- Education
- Engineering
- Information Science and Technology
- Goodwin Professional
- Media Arts & Design
- Nursing and Health
- Biomedical Engineering
- ROTC

Graduate Catalog

- Arts and Sciences
- Business
- Education
- Engineering
- Goodwin Professional
- Information Science and Technology
- Law
- Media Arts & Design
- Nursing and Health
- Medicine
- Biomedical Engineering
- Public Health

Catalog Home

- All Course Descriptions
- Certificate programs
- Schedule

Prospective Students

Apply Online

[About Drexel](#) [Admissions](#) [Tuition/Fees](#) [Financial Aid](#) [Drexel Co-op](#) [Programs](#) [Policies](#)

Construction Management

Certificate Programs

The Certificate Program was started at the request of two contractors' associations: the General Building Contractors Association and the Contractors Association of Eastern Pennsylvania. It is designed for people who have undergraduate degrees in other fields and are employed or wish to be employed in the construction industry. It is also used as a credential for people who are already working in the construction industry, but do not wish to pursue an undergraduate degree. The certificate program is a two-year program with the certificate awarded upon completion of 36 credits. Students interested in continuing their education after certification are able to apply their coursework and credits directly to the Bachelor of Science in Construction Management.

Program of Study:

- Building Materials and Construction Methods I
- Building Materials and Construction Methods II
- Contracts and Specifications I
- Contracts and Specifications II
- Estimating I
- Understanding Construction Drawings
- Construction Management I
- Construction Management II
- Value Engineering I
- Marketing Construction Services
- Techniques of Project Control
- Construction Management of Field Operations

Course substitutions or other electives may be taken with prior approval from the Construction Management Program Manager.