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Construction Technology - AAS

Semester-by-Semester Pathway

An Associates of Applied Science Degree emphasizes preparation in the applied arts and sciences for careers, typically at the technical or semi-professional level. This degree totals 61 credits. Consult with an advisor for more information. Not all courses are offered each semester.

(T) are Systemwide Transfer Courses

(★) are recommended for this degree pathway.

Semester 1 - Fall				
Complete	Course ID	Course Title	Credit Hours	Notes
Required Courses				
	BT108	Roof & Framing	3.00	Fall, Spring, Summer
	BT109	Floors, Walls and Ceiling Framing	4.00	Fall, Spring
	BT120	Introductory Craft Skills	2.00	Fall, Spring
	BT121	Construction Safety	1.00	Fall, Spring
	TR120	Work Ethics	2.00	Fall, Spring
Electives				
	General Education Options		4.00	
Semester Total:			16.00	

Semester 2 - Spring				
Complete	Course ID	Course Title	Credit Hours	Notes
Required Courses				
	BT112	Hard Surface Installation	2.00	Spring
	BT131	Construction Basics	2.00	Fall, Spring
	BT134	Windows, Doors and Stairs	3.00	Fall, Spring
Electives				
	Drafting Options for Construction DR100/DR212		3.00	
	General Education Options		4.00	
Semester Total:			14.00	

Semester 3 - Fall				
Complete	Course ID	Course Title	Credit Hours	Notes
Required Courses				
	BT103	Foundation Forming and Erecting	3.00	Fall
	BT105	Electrical and Mechanical Systems	2.00	Fall
	BT106	Drywall Installation, Insulation and Ventilation	2.00	Fall, Spring
Electives				

	English Options for Construction EN107/BU109/EN108/EN100/EN101	3.00	
	Math Option for Construction TR100/MA106/MA117	3.00	
Semester Total:		13.00	

Semester 4 - Spring				
Complete	Course ID	Course Title	Credit Hours	Notes
Required Courses				
	BT102	Concrete Flatwork and Finishing	3.00	Spring
	BT104	Cabinet Construction and Installation	4.00	Spring
	BT107	Exterior Finish	2.00	Fall, Spring
	BT110	Interior Finish and Trim Installation	3.00	Spring Prereq: Departmental Consent.
Electives				
	PS100 General Psychology OR PS101 Human Relations		3.00	
	Technical Options		3.00	
Semester Total:			18.00	

Total Credits: 61.00

*Semester offerings reflect the current academic year.

Drafting Options for Construction DR100/DR212			
Course ID	Course Title	Credit Hours	Notes
DR100	Computer Aided Drafting I	3.00	Fall, Spring, Summer
DR212	Architectural Drafting I	3.00	Fall, Spring


English Options for Construction EN107/BU109/EN108/EN100/EN101			
Course ID	Course Title	Credit Hours	Notes
BU109	Business Communications ▶	3.00	Fall, Spring, Summer
EN100	English Composition IB ▶	3.00	Fall, Spring, Summer Prereq: EN098 Intro to College Writing with a grade of C or higher, or Accuplacer Next Generation Writing Score of 240 to 254, or HS GPA over 2.25, or ACT English Score of 17 to 19.
EN101	English Composition IA ▶	3.00	Fall, Spring, Summer Prereq: HS GPA over 3.0, or Accu NG Writing Score 255+ & Accu NG Reading Score 255+, and ACT Reading Score of 18 or above, or ACT English Score of 18 or above.
EN107	Business English Grammar	3.00	Fall, Spring
★ EN108	Career and Technical Writing	3.00	Fall, Spring

General Education Options			
Course ID	Course Title	Credit Hours	Notes
AR101	Art Appreciation ▶	3.00	Fall, Spring, Summer
AR104	Art History: Paleolithic to Medieval ▶	3.00	Fall
AR105	Art History: Renaissance to Modern ▶	3.00	Spring
AR106	Art in the Elementary Classroom ▶	3.00	Fall, Spring
AR110	Drawing I ▶	3.00	Fall
BI100	Basic Concepts for Allied Health Studies	1.00	Fall, Spring, Summer
BI101	General Biology ▶	4.00	Fall, Spring, Summer
BI102	Ecology of Environmental Problems ▶	3.00	Spring
BI103	Human Anatomy and Physiology ▶	6.00	Fall, Spring, Summer Prereq: BI100 or BI101 or BI104 or BI105 or BI112 w/Grade of C.
BI104	Biology I ▶	5.00	Fall, Spring Prereq: CH101 General Chemistry, or CH105 Chemistry I with a C or Higher.
BI105	Biology II ▶	5.00	Spring Prereq: BI101 General Biology, or Departmental Consent, or BI104 Biology I.
BI112	General Microbiology ▶	4.00	Fall, Spring, Summer Prereq: (BI101, BI103, BI104, BI105) BI107 is not a valid prereq code.
BI115	Basic Radiation Biology	2.00	Spring Prereq: BI103 Human A&P.
BU105	Introduction to Business ▶	3.00	Fall, Spring, Summer
BU107	Personal Finance ▶	3.00	Fall, Spring, Summer
BU108	Business Mathematics	3.00	Fall, Spring, Summer
BU109	Business Communications ▶	3.00	Fall, Spring, Summer
BU118	Introduction to Leadership ▶	3.00	Fall, Spring
CH101	General Chemistry ▶	5.00	Fall, Spring, Summer Prereq: MA106 College Algebra, or MA117 Contemporary Math, or MA108 Elements of Statistics.
CH105	Chemistry I ▶	5.00	Fall, Spring Prereq: ACT Math Score of 21 or higher, or MA105 or higher math, or Accuplacer NextGen QuantReason, Alg, Stats Score 263 or Above, or



			Accuplacer Math Score of 81+.
CH106	Chemistry II ▶	5.00	Spring Prereq: CH105 Chemistry I with a C or Higher.
CH108	Principles of Organic and Biochemistry ▶	5.00	Fall Prereq: CH105 Chemistry I, or Departmental Consent.
CH201	Organic Chemistry I ▶	5.00	Fall Prereq: CH106 Chemistry II.
CH202	Organic Chemistry II ▶	5.00	Spring Prereq: CH201 Organic Chemistry I.
EC100	Macroeconomics ▶	3.00	Fall, Spring, Summer
EC101	Microeconomics ▶	3.00	Fall, Spring, Summer
ED105	Success Seminar/College Orientation	1.00	Fall, Spring, Summer
ED201	Introduction to Education ▶	3.00	Fall, Spring Prereq: a GPA of 2.5 or higher, and PS100 General Psychology.
ED201L	Introduction to Education Practicum ▶	1.00	Fall, Spring Prereq: a GPA of 2.5 or higher, and PS100 General Psychology.
EN100	English Composition IB ▶	3.00	Fall, Spring, Summer Prereq: EN098 Intro to College Writing with a grade of C or higher, or Accuplacer Next Generation Writing Score of 240 to 254, or HS GPA over 2.25, or ACT English Score of 17 to 19.
EN101	English Composition IA ▶	3.00	Fall, Spring, Summer Prereq: HS GPA over 3.0, or Accu NG Writing Score 255+ & Accu NG Reading Score 255+, and ACT Reading Score of 18 or above, or ACT English Score of 18 or above.
EN102	English Composition II ▶	3.00	Fall, Spring, Summer Prereq: EN101 English Composition IA with a grade of C or higher, or EN101H English Comp IA with a grade of C or higher, or EN100 English Comp IB with a grade of C or higher.
EN107	Business English Grammar	3.00	Fall, Spring
EN108	Career and Technical Writing	3.00	Fall, Spring
EN120	Children's Literature ▶	3.00	Fall, Spring
EN121	World Mythology	3.00	Spring Prereq: EN101 English Composition IA with a grade of C or higher, or EN100 English Comp IB with a grade of C or higher.
EN122	Science Fiction Literature	3.00	Prereq: EN100 English Comp IB with a grade of C or higher, or EN101 English Composition IA with a grade of C or higher.
EN128	Introduction to Creative Writing ▶	3.00	Fall, Spring
EN201	Introduction to Literature ▶	3.00	Fall, Spring, Summer Prereq: EN100 English Comp IB with a grade of C or higher, or EN101 English Composition IA with a grade of C or higher.
EN202	British Literature I	3.00	Fall Prereq: EN101 English Composition IA with a grade of C or higher, or EN100 English Comp IB with a grade of C or higher.
EN203	British Literature II	3.00	Spring Prereq: EN101 English Composition IA with a grade of C or higher, or EN100 English Comp IB with a grade of C or higher.
EN204	American Literature I ▶	3.00	Fall Prereq: EN101 English Composition IA with a grade of C or higher, or EN100 English Comp IB with a grade of C or higher.
EN205	American Literature II ▶	3.00	Spring Prereq: EN101 English Composition IA with a grade of C or higher, or EN100 English Comp IB with a grade of C or higher.
EN206	Contemporary Literature	3.00	Prereq: EN101/G=C, EN100/G=C, EN103/G=C is not a valid prereq code.
EN207	Introduction to Shakespeare	3.00	Prereq: EN101 English Composition IA with a grade of C or higher, or EN100 English Comp IB with a grade of C or higher.
EN214	Introduction to Cultural Studies: Fairy Tales	3.00	Fall, Spring Prereq: EN101 English Composition IA with a grade of C or higher, or EN100 English Comp IB with a grade of C or higher.
EN215	Medieval Literature in Contemporary Society	3.00	Prereq: EN100 or EN101 or EN103 with a grade of C or higher.
EN216	Vampires in Literature and Film	3.00	Prereq: EN101 English Composition IA with a grade of C or higher, or EN100 English Comp IB with a grade of C or higher.
EN220	Poetry Writing	3.00	Prereq: EN128 Introduction to Creative Writing.
GE101	World Geography ▶	3.00	Fall, Spring, Summer
GO100	American Government ▶	3.00	Fall, Spring, Summer

GO101	State and Local Government ▶	3.00	Fall
GO102	International Relations ▶	3.00	Spring
GO110	Introduction to Political Science ▶	3.00	Fall
GO110H	Honors Introduction to Political Science ▶	3.00	Fall
HI101	American History 1492-1865 ▶	3.00	Fall, Spring, Summer
HI102	American History 1865-Present ▶	3.00	Fall, Spring, Summer
HI103	World History to 1600 ▶	3.00	Fall, Spring, Summer
HI104	World History Since 1600 ▶	3.00	Fall, Spring, Summer
HI122	Film History of World War II	3.00	Spring
HI201	Topics in History	3.00	Spring
IS103	Microcomputer Literacy	2.00	Fall, Spring, Summer
IS104	Microcomputer Applications ▶	3.00	Fall, Spring, Summer
JL101	Introduction to Mass Communications ▶	3.00	Fall, Spring, Summer
LE101	Introduction to Criminal Justice ▶	3.00	Fall, Spring
MA106	College Algebra ▶	3.00	Fall, Spring, Summer Prereq: HS GPA over 3.25, or Accuplacer NextGen QuantReason, Alg,Stats Score 263 or Above, or ACT Math Score of 22 or Higher.
MA107	Plane Trigonometry ▶	3.00	Fall, Spring, Summer Prereq: MA106 College Algebra with a grade of C or higher, or ACT Math Score of 23 to 36.
MA108	Elements of Statistics ▶	3.00	Fall, Spring, Summer Prereq: HS GPA over 3.0, or Accuplacer NG QuantReason, Alg, Stats Score 255 or Above, or ACT Math Score of 19 or Higher.
MA110	Calculus ▶	3.00	Fall, Spring, Summer Prereq: MA106 College Algebra with a grade of C or higher, or ACT Math Score of 23 to 36, or MA109 Pre-Calculus Math with a grade of C or higher.
MA111	Analytical Geometry and Calculus I ▶	5.00	Fall, Spring, Summer Prereq: MA107 Plane Trigonometry with a grade of C or higher, or ACT Math Score of 25 to 36, or MA109 Pre-Calculus Math with a grade of C or higher.
MA113	Analytical Geometry and Calculus II ▶	5.00	Fall, Spring, Summer Prereq: MA111 with a grade of C or higher.
MA117	Contemporary Math ▶	3.00	Fall, Spring, Summer
MA201	Analytical Geometry and Calculus III	5.00	Fall, Summer Prereq: MA113 with a grade of C or higher.
MA206	Differential Equations ▶	3.00	Fall, Spring Prereq: MA113 with a grade of C or higher.
MU101	Music Appreciation ▶	3.00	Fall, Spring, Summer
MU106	Music Theory I ▶	3.00	Fall
MU107	Music Theory II ▶	3.00	Spring Prereq: MU106 Music Theory I.
MU127	Introduction To Jazz/Jazz Rock	3.00	Fall, Spring
MU206	Music Theory III	3.00	Fall Prereq: MU107 Music Theory II.
MU207	Music Theory IV	3.00	Spring Prereq: MU206 Music Theory III.
MU208	History of Art Music of the Western World	3.00	
PE105	Personal and Community Health ▶	3.00	Fall, Spring, Summer
PE122	Rhythms I	2.00	Fall
PE123	Rhythms II	2.00	Spring
PE126	Conditioning and Fitness Concepts I	1.00	Fall, Spring, Summer
PE127	Conditioning and Fitness Concepts II	1.00	Fall, Spring, Summer Prereq: PE126 Conditioning & Fitness Concepts I.
PE173	Fitness for Life	1.00	Fall, Spring, Summer
PL101	Introduction to Philosophy ▶	3.00	Fall, Spring, Summer


PL103	Logic and Critical Thinking ▶	3.00	Fall, Spring
PL104	Ethics ▶	3.00	Fall, Spring, Summer
PL105	Death and Dying	3.00	Fall, Spring, Summer
PS100	General Psychology ▶	3.00	Fall, Spring, Summer
PS101	Human Relations	3.00	Fall, Spring, Summer
PS102	Human Growth and Development ▶	3.00	Fall, Spring, Summer Prereq: PS100 General Psychology.
PS201	Psychology of Personality	3.00	Fall, Spring Prereq: PS100 General Psychology with grade of C or higher.
PS202	Abnormal Psychology	3.00	Fall, Spring, Summer Prereq: PS100 General Psychology.
PY102	Weather and Climate	3.00	Spring
PY103	Physical Geology ▶	3.00	Fall, Spring, Summer
PY104L	Physical Geology Lab ▶	1.00	Fall, Spring, Summer
PY110	Physical Science ▶	5.00	Fall, Spring
PY112	General Physics I ▶	5.00	Fall, Spring Prereq: MA106 College Algebra or higher math.
PY113	General Physics II ▶	5.00	Spring Prereq: PY112 Gen Physics I.
PY201	Engineering Physics I ▶	5.00	Fall Prereq: MA111 Analytical Geometry & Calculus I, or MA112H Honors Analytical Geometry & Calculus.
PY202	Engineering Physics II ▶	5.00	Spring Prereq: PY201 Eng Phys I with grade of C or better.
RE101	New Testament Literature ▶	3.00	Spring
RE102	Old Testament Literature ▶	3.00	Fall
RE106	Introduction to World Religions ▶	3.00	Spring
SH101	Public Speaking ▶	3.00	Fall, Spring, Summer
SH103	Oral Interpretation	3.00	Spring
SH122	Voice and Diction ▶	3.00	
SH210	Interpersonal Communication ▶	3.00	Fall, Spring, Summer
SO100	Fundamentals of Sociology ▶	3.00	Fall, Spring, Summer
SO101	Marriage and Family ▶	3.00	Fall, Spring, Summer
SO103	Stress Management	1.00	Fall, Spring, Summer
SO104	Assertiveness Training	2.00	Fall, Spring, Summer
SO111	Cultural Anthropology ▶	3.00	Fall, Spring, Summer
SO113	Cultural Diversity ▶	3.00	Fall, Spring
SO122	Introduction to Social Work ▶	3.00	Fall
SO201	Social Problems ▶	3.00	Fall, Spring, Summer Prereq: SO100 Fundamentals of Sociology.
SP100	Workplace Spanish	2.00	Fall
SP101	Elementary Spanish I ▶	5.00	Fall, Spring, Summer
SP102	Elementary Spanish II ▶	5.00	Fall, Spring Prereq: SP101 Elementary Spanish I, or Departmental Consent, or SP104 Spanish II.
TH115	Theatre Appreciation ▶	3.00	Fall, Spring, Summer
TH116	Acting I ▶	3.00	Fall
TH118	Stagecraft ▶	3.00	Fall
TH119	Stage Makeup	3.00	Fall
TH121	Acting II ▶	3.00	Fall Prereq: TH116 Acting I with a grade of C or better.
TH122	Voice and Diction ▶	3.00	

TH123	Theatre Practicum I 	1.00	Fall, Spring
TR100	Technical Math	3.00	Fall, Spring
TR120	Work Ethics	2.00	Fall, Spring




Math Option for Construction TR100/MA106/MA117

Course ID	Course Title	Credit Hours	Notes
MA106	College Algebra 	3.00	Fall, Spring, Summer Prereq: HS GPA over 3.25, or Accuplacer NextGen QuantReason, Alg,Stats Score 263 or Above, or ACT Math Score of 22 or Higher.
MA117	Contemporary Math 	3.00	Fall, Spring, Summer
★ TR100	Technical Math	3.00	Fall, Spring

PS100 General Psychology OR PS101 Human Relations

Course ID	Course Title	Credit Hours	Notes
PS100	General Psychology 	3.00	Fall, Spring, Summer
PS101	Human Relations	3.00	Fall, Spring, Summer

Technical Options

Course ID	Course Title	Credit Hours	Notes
BT102	Concrete Flatwork and Finishing	3.00	Spring
BT103	Foundation Forming and Erecting	3.00	Fall
BT104	Cabinet Construction and Installation	4.00	Spring
BT105	Electrical and Mechanical Systems	2.00	Fall
BT106	Drywall Installation, Insulation and Ventilation	2.00	Fall, Spring
BT107	Exterior Finish	2.00	Fall, Spring
BT108	Roof & Framing	3.00	Fall, Spring, Summer
BT109	Floors, Walls and Ceiling Framing	4.00	Fall, Spring
BT110	Interior Finish and Trim Installation	3.00	Spring Prereq: Departmental Consent.
BT112	Hard Surface Installation	2.00	Spring
BT120	Introductory Craft Skills	2.00	Fall, Spring
BT121	Construction Safety	1.00	Fall, Spring
BT125	Electrical I	4.00	Fall, Spring
BT126	Plumbing I	5.00	Fall, Spring
BT131	Construction Basics	2.00	Fall, Spring
BT134	Windows, Doors and Stairs	3.00	Fall, Spring
BT141	Masonry I	3.67	
BT172	Concrete Forming I	2.00	
BT202	Crew Leadership	1.00	
BU100	Small Business Accounting	3.00	Fall, Spring, Summer
BU101	Accounting I 	3.00	Fall, Spring, Summer
BU101H	Honors Accounting I 	3.00	Fall, Spring
BU102	Accounting II 	3.00	Fall, Spring, Summer Prereq: BU101 Accounting I with a grade of C or better, or BU101H Honors Accounting I with a Grade of C or Higher, or BA101 Accounting I with a grade of C or better.

BU102H	Honors Accounting II ▶	3.00	Fall, Spring Prereq: BU101 Accounting I with a grade of C or better, or BU101H Honors Accounting I with a Grade of C or Higher, or BA101 Accounting I with a grade of C or better.
BU105	Introduction to Business ▶	3.00	Fall, Spring, Summer
BU106	Calculating Machines	1.00	Fall, Spring
BU107	Personal Finance ▶	3.00	Fall, Spring, Summer
BU108	Business Mathematics	3.00	Fall, Spring, Summer
BU109	Business Communications ▶	3.00	Fall, Spring, Summer
BU110	Records Management	2.00	Fall, Spring
BU111	Quickbooks	3.00	Fall, Spring Prereq: BU100 Small Business Accounting, or BU101 Accounting I.
BU118	Introduction to Leadership ▶	3.00	Fall, Spring
BU120	Job Search/Retention	1.00	Fall, Spring, Summer
BU121	Customer Service/Professional Image	3.00	Fall, Spring, Summer
BU122	Presentation Software	1.00	
BU126	Introduction to Keyboarding	1.00	
BU127	Beginning Keyboarding	3.00	Fall, Spring
BU128	Intermediate Keyboarding	3.00	Fall, Spring
BU129	Production Keyboarding	3.00	Fall, Spring
BU141	Sales Management	3.00	Fall, Spring, Summer
BU142	Retailing	3.00	Fall, Spring
BU145	Advertising	3.00	Fall, Spring, Summer
BU147	Internship I	2.00	Fall, Spring, Summer
BU148	Internship II	2.00	Fall, Spring, Summer
BU149	Internship III	2.00	Fall, Spring, Summer
BU151	Introduction to Entrepreneurship	1.00	Fall, Spring
BU152	Marketing Applications for Entrepreneurs	1.00	Fall, Spring
BU153	Financial Management for Entrepreneurs	1.00	Fall, Spring
BU154	Business Management for Entrepreneurs	1.00	Fall, Spring
BU156	Developing the Business Plan	1.00	Fall, Spring
BU201	Managerial Accounting ▶	3.00	Fall, Spring, Summer Prereq: BU102 with a C or higher or BA102 with a C or higher.
BU201H	Honors Managerial Accounting ▶	3.00	Prereq: BU102 with a C or higher or BA102 with a C or higher.
BU202	Marketing ▶	3.00	Fall, Spring
BU203	Management ▶	3.00	Fall, Spring, Summer
BU204	Small Business Management	3.00	Spring, Summer Prereq: BU100 Small Business Accounting, or Departmental Consent, or BU101 Accounting I.
BU205	Business Law I ▶	3.00	Fall, Spring
BU214	Word Processing: Microsoft Word for Windows	3.00	Fall, Spring
BU217	Spreadsheet Management	3.00	Fall, Spring
BU218	Database Management	3.00	Fall, Spring
BU224	Human Resources Basics	3.00	Fall, Spring
DR100	Computer Aided Drafting I	3.00	Fall, Spring, Summer
DR101	Technical Drafting	3.00	Fall, Spring
DR102	Machine Drafting	5.00	Fall, Spring Prereq: DR100 Computer Aided Drafting I.
DR102L	Machine Drafting Lab	0.00	

DR107	Construction Drafting	3.00	Fall, Spring Prereq: DR100 Computer Aided Drafting I.
DR119	Parametric Modeling I: Autodesk Inventor	3.00	Fall, Spring
DR211	Computer Aided Drafting II	3.00	Fall Prereq: DR100 Computer Aided Drafting I.
DR212	Architectural Drafting I	3.00	Fall, Spring
DR213	Architectural Drafting II	3.00	Fall, Spring Prereq: DR212 Architectural Drafting I.
DR215	Civil Drafting	3.00	Spring Prereq: DR100 Computer Aided Drafting I.
DR216	Computer Drafting Internship	3.00	Fall, Spring Prereq: DR119 Parametric Modeling I: Autodesk Inventor, or Departmental Consent, and DR212 Architectural Drafting I.
DR219	Parametric Modeling II: Autodesk Inventor	3.00	Fall, Spring Prereq: DR119 Parametric Modeling I: Autodesk Inventor.
DR220	Computer Drafting Capstone	3.00	Fall, Spring Prereq: DR119 Parametric Modeling I: Autodesk Inventor, or Departmental Consent, and DR212 Architectural Drafting I.
EE120	Apprentice Electricity I	10.00	
EE121	Apprentice Electricity II	10.00	
EE122	Apprentice Electricity III	10.00	
EE123	Apprentice Electricity IV	10.00	
EE124	Apprentice Electricity V	10.00	
IS103	Microcomputer Literacy	2.00	Fall, Spring, Summer
IS104	Microcomputer Applications ▶	3.00	Fall, Spring, Summer
IS105	Advanced Microcomputer Applications	3.00	Fall, Spring Prereq: IS104 Microcomputer Applications.
IS108	Word Processing I	1.00	Fall, Spring, Summer
IS109	Word Processing II	1.00	Fall, Spring, Summer Prereq: IS108 Word Processing I.
IS110	Spreadsheets I	1.00	Fall, Spring, Summer
IS111	Spreadsheets II	1.00	Fall, Spring, Summer Prereq: IS110 Spreadsheets I with a grade of C or better.
IS113	Desktop Publishing	3.00	Spring
IS116	Spreadsheets III	1.00	Prereq: IS111 Spreadsheets II.
IS120	Vector Graphics	3.00	Fall
IS135	Essentials of Web Interaction	2.00	Fall, Spring, Summer
IS137	Website Ethics and Security	3.00	Fall, Spring
IS148	CompTIA A+ Core 1	3.00	Fall, Spring
IS149	CompTIA A+ Core 2	3.00	Fall, Spring Prereq: IS148 CompTIA A+ Core 1 with grade of C or better.
IS182	Cisco CCNA I/Networking I	3.00	Fall, Spring, Summer
IS183	Cisco CCNA II	3.00	Spring Prereq: IS182 Cisco CCNA I/Networking I.
IS184	Cisco CCNA III	3.00	Prereq: IS183 Cisco CCNA II.
IS201	Database I	1.00	Fall, Spring, Summer
IS202	Database II	1.00	Fall, Spring, Summer Prereq: IS201 Database I with a grade of C or better.
IS210	Computer Internship I	3.00	Fall, Spring, Summer Prereq: Departmental Consent, and a GPA of 2.5 or higher, and IS149 CompTIA A+ Core 2.
IS211	Computer Support Internship II	3.00	Fall, Spring, Summer Prereq: IS210 Computer Internship I.
IS215	Web Development Platform	3.00	Fall, Spring Prereq: IS228 Data Base Structures, or Departmental Consent.
IS224	Networking II	3.00	Fall, Spring Prereq: IS182 Cisco CCNA I/Networking I.

IS225	Website Coding	2.00	Fall, Spring Prereq: IS135 Essentials of Web Interaction, or Departmental Consent.
IS228	Database Structures	3.00	Fall, Spring
IS235	Elements of Linux	3.00	Fall, Spring
IS237	Server Operating Systems and Virtualization	3.00	Fall, Spring Prereq: IS235 Elements of Linux, or Departmental Consent, and IS182 Cisco CCNA I/Networking I.
IS240	Fundamentals of Network Security	3.00	Fall, Spring Prereq: IS182 Cisco CCNA I/Networking I & IS224 Networking II, or Departmental Consent, and IS184 Cisco CNA III, or IS183 Cisco CCNA II.
IS250	Project Management	3.00	Spring
IS255	Graphic Arts Technology Capstone	3.00	Spring Prereq: AR135 or JP119 Advanced Digital Imagery, and IS120 Vector Graphics, and IS113 Desktop Publishing.
IS256	Web Development Special Projects	1.00	Spring Prereq: IS228 Data Base Structures.
IS264	JavaScript	3.00	Fall Prereq: IS225 Website Coding.
ME106	Industrial Fluid Power	3.00	Fall, Spring
ME107	Manufacturing Management	3.00	
ME108	Occupational Safety	2.00	
ME110	Fundamentals of Motor Controls	3.00	Fall, Spring Prereq: AE100 AC/DC Circuits.
ME112	Heating System Fundamentals	3.00	Fall, Spring
ME114	Renewable Energy Technology	3.00	
ME115	HVAC Fundamentals	4.00	Fall, Spring
ME116	Commercial Refrigeration	4.00	Spring
ME117	Commercial Heating and Air Conditioning	4.00	Spring Prereq: ME115 HVAC Fundamentals, and EE203 Instruments & Measurements, or ME116 Commercial Refrigeration.
ME124	Renewable Energy Technology Maintenance	4.00	Prereq: ME114 Renewable Energy Technology, and AE155 Electrical Maintenance, and ME115 HVAC Fundamentals.
ME125	Engineering Technology Internship	3.00	Fall, Spring
ME129	Mechanical Maintenance Skills	3.00	Fall, Spring
ME131	EPA 608	1.00	Fall
ME132	HVAC Load Calculations	1.00	Fall
ME133	HVAC Duct Sizing	1.00	Fall
ME134	HVAC Code Requirements	1.00	Fall
ME135	Industrial Seminar	1.00	
ME140	Low Pressure Boilers	3.00	Spring
WE100	Basic Welding	3.00	Fall, Spring
WE101	Welding Safety	1.00	Fall
WE102	Welding Blueprint Reading	3.00	Fall, Spring
WE104	Shielded Metal Arc Welding	3.00	Fall
WE105	Shielded Metal Arc Welding II	3.00	Fall, Spring Prereq: WE104 SMAW w/Grade of C or Higher, or Departmental Consent.
WE106	Cutting Processes for Welding	2.00	Fall
WE110	Gas Metal Arc Welding	3.00	Fall, Spring
WE111	Gas Metal Arc Welding II	3.00	Fall, Spring Prereq: WE110 Gas Metal Arc Welding w/Grade of C or Higher.
WE112	Gas Tungsten Arc Welding	3.00	Fall, Spring
WE113	Gas Tungsten Arc Welding II	3.00	Spring Prereq: WE112 GTAW w/Grade of C or Higher.
WE209	Welding Fabrication Processes	4.00	Fall Prereq: Departmental Consent.