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Applied Technologies - 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 64 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				
Electives				
	Option I: Select Two Certificate A's from the Specific List of Options		15.00	
Semester Total:			15.00	

Semester 2 - Spring				
Complete	Course ID	Course Title	Credit Hours	Notes
Required Courses				
Electives				
	Option II: Select one Certificate B from the Specific List of Options		15.00	
Semester Total:			15.00	

Semester 3 - Fall				
Complete	Course ID	Course Title	Credit Hours	Notes
Required Courses				
Electives				
	All Electives		19.00	
Semester Total:			19.00	

Semester 4 - Spring				
Complete	Course ID	Course Title	Credit Hours	Notes
Required Courses				
Electives				
	General Education Options		15.00	
Semester Total:			15.00	

Total Credits: 64.00

*Semester offerings reflect the current academic year.

All Electives

Course ID	Course Title	Credit Hours	Notes
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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.
PE145	Golf	1.00	
PE151	Social Dance-Beginning	1.00	
PE156	Aerobic Dance	1.00	
PE173	Fitness for Life	1.00	Fall, Spring, Summer
PE178	Yoga I	1.00	
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

Option I: Select Two Certificate A's from the Specific List of Options

Course ID	Course Title	Credit Hours	Notes
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Option II: Select one Certificate B from the Specific List of Options

Course ID	Course Title	Credit Hours	Notes
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Program Notes:

Students completing this degree must complete either two Certificate A options (Audio Technology, Auto Collision, Auto Technology, Computer Support Specialist, Construction Technology, Fire Science, Graphic Arts Technology, Industrial Mechanical Maintenance, Machine Technology, Media & Film Production, Networking, or Welding Technology) or one Certificate B option (Ag Diesel, Auto Collision, Auto Technology, Business Adm Technologies-Accounting or Office Support, Business Mgmt + Entrepreneurship-Sales or Supervision, Construction Technology, Industrial Electrical Technology, Machine Technology, Networking-Emphasis in Security, or Welding Technology) and a minimum of 15 hours of General Education courses. Additional hours of Technical Concentrator Electives will be required to make up the 64 hours. If the Certificate B option is selected these hours must be from a different technical area (different course prefix).