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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

General Education Options			
Course ID	Course Title	Credit Hours	Notes
AR101	Art Appreciation <a href="#">▶</a>	3.00	Fall, Spring, Summer
AR104	Art History: Paleolithic to Medieval <a href="#">▶</a>	3.00	Fall
AR105	Art History: Renaissance to Modern <a href="#">▶</a>	3.00	Spring
AR106	Art in the Elementary Classroom <a href="#">▶</a>	3.00	Fall, Spring
AR110	Drawing I <a href="#">▶</a>	3.00	Fall
BI100	Basic Concepts for Allied Health Studies	1.00	Fall, Spring, Summer
BI101	General Biology <a href="#">▶</a>	4.00	Fall, Spring, Summer
BI102	Ecology of Environmental Problems <a href="#">▶</a>	3.00	Spring
BI103	Human Anatomy and Physiology <a href="#">▶</a>	6.00	Fall, Spring, Summer Prereq: BI100 or BI101 or BI104 or BI105 or BI112 w/Grade of C.
BI104	Biology I <a href="#">▶</a>	5.00	Fall, Spring Prereq: CH101 General Chemistry, or CH105 Chemistry I with a C or Higher.
BI105	Biology II <a href="#">▶</a>	5.00	Spring Prereq: BI101 General Biology, or Departmental Consent, or BI104 Biology I.
BI112	General Microbiology <a href="#">▶</a>	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 <a href="#">▶</a>	3.00	Fall, Spring, Summer
BU107	Personal Finance <a href="#">▶</a>	3.00	Fall, Spring, Summer
BU108	Business Mathematics	3.00	Fall, Spring, Summer
BU109	Business Communications <a href="#">▶</a>	3.00	Fall, Spring, Summer
BU118	Introduction to Leadership <a href="#">▶</a>	3.00	Fall, Spring
CH101	General Chemistry <a href="#">▶</a>	5.00	Fall, Spring, Summer Prereq: MA106 College Algebra, or MA117 Contemporary Math, or MA108 Elements of Statistics.
CH105	Chemistry I <a href="#">▶</a>	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 <a href="#">▶</a>	5.00	Spring Prereq: CH105 Chemistry I with a C or Higher.
CH108	Principles of Organic and Biochemistry <a href="#">▶</a>	5.00	Fall Prereq: CH105 Chemistry I, or Departmental Consent.
CH201	Organic Chemistry I <a href="#">▶</a>	5.00	Fall Prereq: CH106 Chemistry II.
CH202	Organic Chemistry II <a href="#">▶</a>	5.00	Spring Prereq: CH201 Organic Chemistry I.
EC100	Macroeconomics <a href="#">▶</a>	3.00	Fall, Spring, Summer
EC101	Microeconomics <a href="#">▶</a>	3.00	Fall, Spring, Summer
ED105	Success Seminar/College Orientation	1.00	Fall, Spring, Summer
ED201	Introduction to Education <a href="#">▶</a>	3.00	Fall, Spring Prereq: a GPA of 2.5 or higher, and PS100 General Psychology.
ED201L	Introduction to Education Practicum <a href="#">▶</a>	1.00	Fall, Spring Prereq: a GPA of 2.5 or higher, and PS100 General Psychology.
EN100	English Composition IB <a href="#">▶</a>	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 <a href="#">▸</a>	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 <a href="#">▸</a>	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 & Composition	3.00	Fall, Spring
EN108	Career and Technical Writing	3.00	Fall, Spring
EN120	Children's Literature <a href="#">▸</a>	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.
EN128	Introduction to Creative Writing <a href="#">▸</a>	3.00	Fall, Spring
EN201	Introduction to Literature <a href="#">▸</a>	3.00	Fall, 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 <a href="#">▸</a>	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 <a href="#">▸</a>	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.
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.
GE101	World Geography <a href="#">▸</a>	3.00	Fall, Spring, Summer
GO100	American Government <a href="#">▸</a>	3.00	Fall, Spring, Summer
GO101	State and Local Government <a href="#">▸</a>	3.00	
GO102	International Relations <a href="#">▸</a>	3.00	Spring
GO110	Introduction to Political Science <a href="#">▸</a>	3.00	Fall
GO110H	Honors Introduction to Political Science <a href="#">▸</a>	3.00	Fall
HI101	American History 1492-1865 <a href="#">▸</a>	3.00	Fall, Spring, Summer
HI102	American History 1865-Present <a href="#">▸</a>	3.00	Fall, Spring, Summer
HI103	World History to 1600 <a href="#">▸</a>	3.00	Fall, Spring, Summer
HI104	World History Since 1600 <a href="#">▸</a>	3.00	Fall, Spring, Summer
HI122	Film History of World War II	3.00	Spring
HI201	Topics in History	3.00	
IS103	Microcomputer Literacy	2.00	Fall, Spring, Summer
IS104	Microcomputer Applications <a href="#">▸</a>	3.00	Fall, Spring, Summer
JL101	Introduction to Mass Communications <a href="#">▸</a>	3.00	Fall, Spring, Summer
LE101	Introduction to Criminal Justice <a href="#">▸</a>	3.00	Fall, Spring
MA106	College Algebra <a href="#">▸</a>	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 <a href="#">▸</a>	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 <a href="#">▸</a>	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 <a href="#">▶</a>	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 <a href="#">▶</a>	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 <a href="#">▶</a>	5.00	Fall, Spring, Summer Prereq: MA111 with a grade of C or higher.
MA117	Contemporary Math <a href="#">▶</a>	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 <a href="#">▶</a>	3.00	Fall, Spring Prereq: MA113 with a grade of C or higher.
MU101	Music Appreciation <a href="#">▶</a>	3.00	Fall, Spring, Summer
MU106	Music Theory I <a href="#">▶</a>	3.00	Fall
MU107	Music Theory II <a href="#">▶</a>	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.
PE105	Personal and Community Health <a href="#">▶</a>	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 <a href="#">▶</a>	3.00	Fall, Spring, Summer
PL103	Logic and Critical Thinking <a href="#">▶</a>	3.00	Fall, Spring
PL104	Ethics <a href="#">▶</a>	3.00	Fall, Spring, Summer
PL105	Death and Dying	3.00	Fall, Spring, Summer
PS100	General Psychology <a href="#">▶</a>	3.00	Fall, Spring, Summer
PS101	Human Relations	3.00	Fall, Spring, Summer
PS102	Human Growth and Development <a href="#">▶</a>	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 <a href="#">▶</a>	3.00	Fall, Spring, Summer
PY104L	Physical Geology Lab <a href="#">▶</a>	1.00	Fall, Spring, Summer
PY110	Physical Science <a href="#">▶</a>	5.00	Fall, Spring
PY112	General Physics I <a href="#">▶</a>	5.00	Fall Prereq: MA106 College Algebra or higher math.
PY113	General Physics II <a href="#">▶</a>	5.00	Spring Prereq: PY112 Gen Physics I.
PY201	Engineering Physics I <a href="#">▶</a>	5.00	Fall Prereq: MA111 Analytical Geometry & Calculus I, or MA112H Honors Analytical Geometry & Calculus.
PY202	Engineering Physics II <a href="#">▶</a>	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	Fall
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, Spring
SO201	Social Problems ▶	3.00	Spring, Summer Prereq: SO100 Fundamentals of Sociology.
SP100	Workplace Spanish	2.00	
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	
TH121	Acting II ▶	3.00	Fall Prereq: TH116 Acting I with a grade of C or better.
TH122	Voice and Diction ▶	3.00	Fall
TH123	Theatre Practicum I ▶	1.00	Fall, Spring
TR100	Technical Math	3.00	Fall, Spring
TR120	Work Ethics	2.00	Fall, Spring, Summer

**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).