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## Applied Technologies - AAS

### Degree 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.

(▶) are Systemwide Transfer Courses

Required Courses			
No required courses			
Electives			
Course ID	Course Title	Credit Hours	Notes
General Education Options		15.00	
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, Spring
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	Fall, 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
CH101	General Chemistry ▶	5.00	Fall, Spring, Summer
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 Accuplacer NG Writing Score of 255 or Above, or ACT English Score of 20 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	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.
EN214	Introduction to Cultural Studies: Fairy Tales	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.
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	Fall, Spring
GO110	Introduction to Political Science ▶	3.00	Fall, Spring
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	
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 3.5, or ACT Math Score of 21 or higher, or Accuplacer NextGen QuantReason, Alg,Stats Score 263 or Above.
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 3.5, or Accuplacer NextGen QuantReason, Alg,Stats Score 263 or Above, or ACT Math Score of 21 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.
MA112H	Honors Analytical Geometry and Calculus I	5.00	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.
MA114H	Honors Analytical Geometry and Calculus II	5.00	Prereq: MA111 or MA112H with a grade of C or better.
MA117	Contemporary Math ▶	3.00	Prereq: HS GPA over 3.5, or Accuplacer NextGen QuantReason, Alg,Stats Score 263 or Above, or ACT Math Score of 21 or higher.
MA201	Analytical Geometry and Calculus III	5.00	Fall, Summer Prereq: MA113 with a grade of C or higher.
MA202H	Honors Analytical Geometry and Calculus III	5.00	Prereq: MA113 or MA114H with a grade of C or better.
MA206	Differential Equations	3.00	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.

PY101	Descriptive Astronomy ▶	3.00	
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	
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
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
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
<b>Option I: Select Two Certificate A's from the Specific List of Options</b>		<b>17.00</b>	
<b>Option II: Select one Certificate B from the Specific List of Options</b>		<b>17.00</b>	
Additional Credits Required		15.00	

**Total Credits: 64.00**