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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 Options Listed below | | 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 Options listed below | | 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 ▶ | 3.00 | Spring 2026, Summer 2026, Fall 2026 |
| AR104 | Art History: Paleolithic to Medieval ▶ | 3.00 | Fall 2026 |
| AR105 | Art History: Renaissance to Modern ▶ | 3.00 | Spring 2026 |
| AR106 | Art in the Elementary Classroom ▶ | 3.00 | Spring 2026, Fall 2026 |
| AR110 | Drawing I ▶ | 3.00 | Fall 2026 |
| BI100 | Basic Concepts for Allied Health Studies | 1.00 | Spring 2026, Summer 2026, Fall 2026 |
| BI101 | General Biology ▶ | 4.00 | Spring 2026, Summer 2026, Fall 2026 |
| BI102 | Ecology of Environmental Problems ▶ | 3.00 | Spring 2026 |
| BI103 | Human Anatomy and Physiology ▶ | 6.00 | Spring 2026, Summer 2026, Fall 2026 Prereq: BI100 or BI101 or BI104 or BI105 or BI112 w/Grade of C. |
| BI104 | Biology I ▶ | 5.00 | Spring 2026, Fall 2026 Prereq: CH101 General Chemistry, or CH105 Chemistry I with a C or Higher. |
| BI105 | Biology II ▶ | 5.00 | Spring 2026 Prereq: BI101 General Biology, or Departmental Consent, or BI104 Biology I. |
| BI112 | General Microbiology ▶ | 4.00 | Spring 2026, Summer 2026, Fall 2026 Prereq: (BI101,BI103,BI104,BI105)BI107 is not a valid prereq code. |
| BI115 | Basic Radiation Biology | 2.00 | Spring 2026 Prereq: BI103 Human A&P. |
| BU105 | Introduction to Business ▶ | 3.00 | Spring 2026, Summer 2026, Fall 2026 |
| BU107 | Personal Finance ▶ | 3.00 | Spring 2026, Summer 2026, Fall 2026 |
| BU108 | Business Mathematics | 3.00 | Spring 2026, Summer 2026, Fall 2026 |
| BU109 | Business Communications ▶ | 3.00 | Spring 2026, Summer 2026, Fall 2026 |
| BU118 | Introduction to Leadership ▶ | 3.00 | Spring 2026, Fall 2026 |
| CH101 | General Chemistry ▶ | 5.00 | Spring 2026, Summer 2026, Fall 2026 Prereq: MA106 College Algebra, or MA117 Contemporary Math, or MA108 Elements of Statistics. |
| CH105 | Chemistry I ▶ | 5.00 | Spring 2026, Fall 2026 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 2026 Prereq: CH105 Chemistry I with a C or Higher. |
| CH108 | Principles of Organic and Biochemistry ▶ | 5.00 | Fall 2026 Prereq: CH105 Chemistry I, or Departmental Consent. |
| CH201 | Organic Chemistry I ▶ | 5.00 | Fall 2026 Prereq: CH106 Chemistry II. |
| CH202 | Organic Chemistry II ▶ | 5.00 | Spring 2026 Prereq: CH201 Organic Chemistry I. |
| EC100 | Macroeconomics ▶ | 3.00 | Spring 2026, Summer 2026, Fall 2026 |
| EC101 | Microeconomics ▶ | 3.00 | Spring 2026, Summer 2026, Fall 2026 |
| ED105 | Success Seminar/College Orientation | 1.00 | Spring 2026, Summer 2026, Fall 2026 |
| ED201 | Introduction to Education ▶ | 3.00 | Spring 2026, Fall 2026 Prereq: a GPA of 2.5 or higher, and PS100 General Psychology. |
| ED201L | Introduction to Education Practicum ▶ | 1.00 | Spring 2026, Fall 2026 Prereq: a GPA of 2.5 or higher, and PS100 General Psychology. |
| EN101 | English Composition IA ▶ | 3.00 | Spring 2026, Summer 2026, Fall 2026 |

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| | | | 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 | Spring 2026, Summer 2026, Fall 2026 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 | Spring 2026, Fall 2026 |
| EN108 | Career and Technical Writing | 3.00 | Spring 2026, Fall 2026 |
| EN120 | Children's Literature ▶ | 3.00 | Spring 2026, Fall 2026 |
| EN121 | World Mythology | 3.00 | Spring 2026 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 ▶ | 3.00 | Spring 2026, Fall 2026 |
| EN201 | Introduction to Literature ▶ | 3.00 | Summer 2026, Fall 2026 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 | 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 2026 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 2026 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 2026 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 | Spring 2026, Fall 2026 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 ▶ | 3.00 | Spring 2026, Summer 2026, Fall 2026 |
| GO100 | American Government ▶ | 3.00 | Spring 2026, Summer 2026, Fall 2026 |
| GO101 | State and Local Government ▶ | 3.00 | |
| GO102 | International Relations ▶ | 3.00 | Spring 2026 |
| GO110 | Introduction to Political Science ▶ | 3.00 | Fall 2026 |
| GO110H | Honors Introduction to Political Science ▶ | 3.00 | Fall 2026 |
| HI101 | American History 1492-1865 ▶ | 3.00 | Spring 2026, Summer 2026, Fall 2026 |
| HI102 | American History 1865-Present ▶ | 3.00 | Spring 2026, Summer 2026, Fall 2026 |
| HI103 | World History to 1600 ▶ | 3.00 | Spring 2026, Summer 2026, Fall 2026 |
| HI104 | World History Since 1600 ▶ | 3.00 | Spring 2026, Summer 2026, Fall 2026 |
| HI122 | Film History of World War II | 3.00 | Spring 2026 |
| HI201 | Topics in History | 3.00 | |
| IS103 | Microcomputer Literacy | 2.00 | Spring 2026, Summer 2026 |
| IS104 | Microcomputer Applications ▶ | 3.00 | Spring 2026, Summer 2026, Fall 2026 |
| JL101 | Introduction to Mass Communications ▶ | 3.00 | Spring 2026, Summer 2026, Fall 2026 |
| LE101 | Introduction to Criminal Justice ▶ | 3.00 | Spring 2026, Fall 2026 |
| MA106 | College Algebra ▶ | 3.00 | Spring 2026, Summer 2026, Fall 2026 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 | Spring 2026, Summer 2026, Fall 2026 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 | Spring 2026, Summer 2026, Fall 2026 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 | Spring 2026, Summer 2026, Fall 2026 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. |

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| MA111 | Analytical Geometry and Calculus I  | 5.00 | Spring 2026, Summer 2026, Fall 2026 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 | Spring 2026, Summer 2026, Fall 2026 Prereq: MA111 with a grade of C or higher. |
| MA117 | Contemporary Math  | 3.00 | Spring 2026, Summer 2026, Fall 2026 |
| MA201 | Analytical Geometry and Calculus III | 5.00 | Summer 2026, Fall 2026 Prereq: MA113 with a grade of C or higher. |
| MA206 | Differential Equations  | 3.00 | Spring 2026 Prereq: MA113 with a grade of C or higher. |
| MU101 | Music Appreciation  | 3.00 | Spring 2026, Summer 2026, Fall 2026 |
| MU106 | Music Theory I  | 3.00 | Fall 2026 |
| MU107 | Music Theory II  | 3.00 | Spring 2026 Prereq: MU106 Music Theory I. |
| MU127 | Introduction To Jazz/Jazz Rock | 3.00 | Spring 2026, Fall 2026 |
| MU206 | Music Theory III | 3.00 | Fall 2026 Prereq: MU107 Music Theory II. |
| MU207 | Music Theory IV | 3.00 | Spring 2026 Prereq: MU206 Music Theory III. |
| PE105 | Personal and Community Health  | 3.00 | Spring 2026, Summer 2026, Fall 2026 |
| PE122 | Rhythms I | 2.00 | Fall 2026 |
| PE123 | Rhythms II | 2.00 | Spring 2026 |
| PE126 | Conditioning & Fitness Concepts I | 1.00 | Spring 2026, Summer 2026, Fall 2026 |
| PE127 | Conditioning & Fitness Concepts II | 1.00 | Spring 2026, Summer 2026, Fall 2026 Prereq: PE126 Conditioning & Fitness Concepts I. |
| PE173 | Fitness for Life | 1.00 | Spring 2026, Summer 2026, Fall 2026 |
| PL101 | Introduction to Philosophy  | 3.00 | Spring 2026, Summer 2026, Fall 2026 |
| PL103 | Logic and Critical Thinking  | 3.00 | Spring 2026, Fall 2026 |
| PL104 | Ethics  | 3.00 | Spring 2026, Summer 2026, Fall 2026 |
| PL105 | Death and Dying | 3.00 | Spring 2026, Summer 2026, Fall 2026 |
| PS100 | General Psychology  | 3.00 | Spring 2026, Summer 2026, Fall 2026 |
| PS101 | Human Relations | 3.00 | Spring 2026, Summer 2026, Fall 2026 |
| PS102 | Human Growth and Development  | 3.00 | Spring 2026, Summer 2026, Fall 2026 Prereq: PS100 General Psychology. |
| PS201 | Psychology of Personality | 3.00 | Spring 2026, Fall 2026 Prereq: PS100 General Psychology with grade of C or higher. |
| PS202 | Abnormal Psychology | 3.00 | Spring 2026, Fall 2026 Prereq: PS100 General Psychology. |
| PY102 | Weather and Climate | 3.00 | Spring 2026 |
| PY103 | Physical Geology  | 3.00 | Spring 2026, Summer 2026, Fall 2026 |
| PY104L | Physical Geology Lab  | 1.00 | Spring 2026, Summer 2026, Fall 2026 Prereq: PY103 Physical Geology. |
| PY110 | Physical Science  | 5.00 | Spring 2026, Fall 2026 |
| PY112 | General Physics I  | 5.00 | Fall 2026 Prereq: MA106 College Algebra or higher math. |
| PY113 | General Physics II  | 5.00 | Spring 2026 Prereq: PY112 Gen Physics I. |
| PY201 | Engineering Physics I  | 5.00 | Fall 2026 Prereq: MA111 Analytical Geometry & Calculus I, or MA112H Honors Analytical Geometry & Calculus. |
| PY202 | Engineering Physics II  | 5.00 | Spring 2026 Prereq: PY201 Eng Phys I with grade of C or better. |
| RE101 | New Testament Literature  | 3.00 | Spring 2026, Fall 2026 |
| RE102 | Old Testament Literature  | 3.00 | Fall 2026 |
| RE106 | Introduction to World Religions  | 3.00 | Spring 2026 |

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| SH101 | Public Speaking ▶ | 3.00 | Spring 2026, Summer 2026, Fall 2026 |
| SH103 | Oral Interpretation | 3.00 | Spring 2026 |
| SH122 | Voice and Diction ▶ | 3.00 | |
| SH210 | Interpersonal Communication ▶ | 3.00 | Spring 2026, Summer 2026, Fall 2026 |
| SO100 | Fundamentals of Sociology ▶ | 3.00 | Spring 2026, Summer 2026, Fall 2026 |
| SO101 | Marriage and Family ▶ | 3.00 | Spring 2026, Summer 2026, Fall 2026 |
| SO103 | Stress Management | 1.00 | Spring 2026, Summer 2026, Fall 2026 |
| SO104 | Assertiveness Training | 2.00 | Spring 2026, Summer 2026, Fall 2026 |
| SO111 | Cultural Anthropology ▶ | 3.00 | Spring 2026, Summer 2026, Fall 2026 |
| SO113 | Cultural Diversity ▶ | 3.00 | Spring 2026, Fall 2026 |
| SO122 | Introduction to Social Work ▶ | 3.00 | Spring 2026, Fall 2026 |
| SO201 | Social Problems ▶ | 3.00 | Spring 2026 Prereq: SO100 Fundamentals of Sociology. |
| SP100 | Workplace Spanish | 2.00 | |
| SP101 | Elementary Spanish I ▶ | 5.00 | Spring 2026, Summer 2026, Fall 2026 |
| SP102 | Elementary Spanish II ▶ | 5.00 | Spring 2026, Fall 2026 Prereq: SP101 Elementary Spanish I, or Departmental Consent, or SP104 Spanish II. |
| TH115 | Theatre Appreciation ▶ | 3.00 | Spring 2026, Fall 2026 |
| TH116 | Acting I ▶ | 3.00 | Fall 2026 |
| TH118 | Stagecraft ▶ | 3.00 | Fall 2026 |
| TH119 | Stage Makeup | 3.00 | Fall 2026 |
| TH121 | Acting II ▶ | 3.00 | Fall 2026 Prereq: TH116 Acting I with a grade of C or better. |
| TH122 | Voice and Diction ▶ | 3.00 | |
| TH123 | Theatre Practicum I ▶ | 1.00 | Spring 2026, Fall 2026 |
| TR100 | Technical Math | 3.00 | Spring 2026, Fall 2026 |
| TR120 | Work Ethics | 2.00 | Spring 2026, Fall 2026 |

Option I: Select Two Certificate A's from the Options Listed below

| Course ID | Course Title | Credit Hours | Notes |
|-----------|--------------|--------------|-------|
|-----------|--------------|--------------|-------|

Option II: Select one Certificate B from the Options listed below

| 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 •Welding Technology OR one Certificate B option: •Ag Diesel •Auto Collision •Auto Technology •Business Admin Technologies-Accounting •Office Support •Business Mgmt + Entrepreneurship-Sales or Supervision •Construction Technology •Industrial Electrical Technology •Machine Technology •Networking-Emphasis in Security •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).