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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        |       |
| <b>Semester Total:</b> |  |              | <b>15.00</b> |       |

| 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        |       |
| <b>Semester Total:</b> |   |              | <b>15.00</b> |       |

| Semester 3 - Fall      |               |              |              |       |
|------------------------|---------------|--------------|--------------|-------|
| Complete               | Course ID     | Course Title | Credit Hours | Notes |
| Required Courses       |               |              |              |       |
| Electives              |               |              |              |       |
|                        | All Electives |              | 19.00        |       |
| <b>Semester Total:</b> |               |              | <b>19.00</b> |       |

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

**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<br>Prereq: BI100 or BI101 or BI104 or BI105 or BI112 w/Grade of C.   |
| BI104     | Biology I ▾                              | 5.00         | Spring 2026, Fall 2026<br>Prereq: CH101 General Chemistry, or CH105 Chemistry I with a C or Higher.  |
| BI105     | Biology II ▾                             | 5.00         | Spring 2026<br>Prereq: BI101 General Biology, or Departmental Consent, or BI104 Biology I.   |
| BI112     | General Microbiology ▾                   | 4.00         | Spring 2026, Summer 2026, Fall 2026<br>Prereq: (BI101,BI103,BI104,BI105)BI107 is not a valid prereq code.  |
| BI115     | Basic Radiation Biology                  | 2.00         | Spring 2026<br>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<br>Prereq: MA106 College Algebra, or MA117 Contemporary Math, or MA108 Elements of Statistics.   |
| CH105     | Chemistry I ▾                            | 5.00         | Spring 2026, Fall 2026<br>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<br>Prereq: CH105 Chemistry I with a C or Higher.   |
| CH108     | Principles of Organic and Biochemistry ▾ | 5.00         | Fall 2026<br>Prereq: CH105 Chemistry I, or Departmental Consent.   |
| CH201     | Organic Chemistry I ▾                    | 5.00         | Fall 2026<br>Prereq: CH106 Chemistry II.   |
| CH202     | Organic Chemistry II ▾                   | 5.00         | Spring 2026<br>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<br>Prereq: a GPA of 2.5 or higher, and PS100 General Psychology.  |
| ED201L    | Introduction to Education Practicum ▾    | 1.00         | Spring 2026, Fall 2026<br>Prereq: a GPA of 2.5 or higher, and PS100 General Psychology.  |
| EN101     | English Composition IA ▾                 | 3.00         | Spring 2026, Summer 2026, Fall 2026  |

|        |   |      |   |
|--------|---|------|---|
|        |   |      | 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<br>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<br>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<br>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<br>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<br>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<br>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<br>Prereq: EN101 English Composition IA with a grade of C or higher, or EN100 English Comp IB with a grade of C or higher.   |
| FR101  | Elementary French I 📖                         | 5.00 |   |
| 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<br>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<br>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<br>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<br>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 | Spring 2026, Summer 2026, Fall 2026<br>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<br>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<br>Prereq: MA113 with a grade of C or higher.  |
| MA206  | Differential Equations ▶              | 3.00 | Spring 2026<br>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<br>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<br>Prereq: MU107 Music Theory II.   |
| MU207  | Music Theory IV                       | 3.00 | Spring 2026<br>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<br>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<br>Prereq: PS100 General Psychology.  |
| PS201  | Psychology of Personality             | 3.00 | Spring 2026, Fall 2026<br>Prereq: PS100 General Psychology with grade of C or higher.   |
| PS202  | Abnormal Psychology                   | 3.00 | Spring 2026, Summer 2026, Fall 2026<br>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<br>Prereq: PY103 Physical Geology.  |
| PY110  | Physical Science ▶                    | 5.00 | Spring 2026, Fall 2026  |
| PY112  | General Physics I ▶                   | 5.00 | Fall 2026<br>Prereq: MA106 College Algebra or higher math.  |
| PY113  | General Physics II ▶                  | 5.00 | Spring 2026<br>Prereq: PY112 Gen Physics I.   |
| PY201  | Engineering Physics I ▶               | 5.00 | Fall 2026<br>Prereq: MA111 Analytical Geometry & Calculus I, or MA112H Honors Analytical Geometry & Calculus.   |
| PY202  | Engineering Physics II ▶              | 5.00 | Spring 2026<br>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  |
| 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<br>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<br>Prereq: SP101 Elementary Spanish I.    |
| 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<br>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 |
|-----------|--------------|--------------|-------|
|-----------|--------------|--------------|-------|

**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).