|  | ASSOCIATE OF SCIENCE | 2024-25 Catalog <br> Effective Summer 2024 |
| :---: | :---: | :---: |
|  | The catalog in force is assigned to students based on the academic year they first applied to the college, and changes only when students change their major or request the change in writing. Refer to Policy No. 3357:15-13-28. | 7107 |

## Arts and Sciences Division

Physics Department

| Course Number | Course Title | Credits | Pre- and Co-Requisites | Completed <br> Sem./Year |
| :--- | :---: | :---: | :---: | :---: |

FRESHMAN EXPERIENCE:

| SSC101 | Student Success Seminar^^ | 1 | Take first semester |  |
| :---: | :--- | :---: | :---: | :---: | :---: |
| CONCENTRATION CORE: 18 credit hours required | 4 | MTH223 and Co-MTH224 |  |  |
| PHY221 | General Physics I with Calculus (lab) $\mathbf{\Delta}-$ | 5 | PHY221 and MTH224 <br> and Co-MTH225 |  |
| PHY222 | General Physics II with Calculus (lab) $\mathbf{A}^{+}$ | 4 | MTH223 |  |
| MTH224 | Analytic Geometry and Calculus II | 4 | MTH224 |  |
| MTH225 | Analytic Geometry and Calculus III | 4 |  |  |

NATURAL SCIENCES: $\boldsymbol{8}$ credit hour minimum

| PHY105 | Astronomy (lab) | 4 |  |  |
| :--- | :--- | :---: | :---: | :---: |
| CHM105 | Introduction to Forensic Science (lab) | 3 |  |  |
| CHM141 | General Chemistry I (lab) (required) | 5 | CHM101 or Proficiency) or <br> (MTH024 or MTH025 or <br> Proficiency) |  |
| CHM142 | General Chemistry II (lab) | 5 | CHM141 |  |
| CHM205 | Forensic Chemistry (lab) | 3 | CHM123 or CHM141 <br> or CHM105 |  |
| GEO141 | Physical Geology | 4 |  |  |
| BIO141 | General Biology I | 4 |  |  |
| BIO142 | General Biology II | 4 |  |  |

MATHEMATICS, STATISTICS, AND LOGIC: 4 credit hours minimum

| MTH135 | Precalculus^-A student may take MTH125 <br> (College Algebra) and MTH130 (Trigonometry) <br> over two semesters to satisfy this requirement. | 5 | (MTH093 and MTH094) <br> or Proficiency |
| :---: | :--- | :---: | :---: |
| MTH223 | Analytic Geometry and Calculus I^ | 4 | MTH135 or (MTH125 and <br> MTH130) or Proficiency |
| MTH226 | Linear Algebra - | 3 | MTH224 |
| MTH227 | Ordinary Differential Equations $\triangle+$ | 3 | MTH224 |

ENGLISH COMPOSITION AND ORAL COMMUNICATION: 6 credit hours required

| ENG124 | College Composition^ (required) | 3 | Co-ENG024 or Co-ENG011 <br> or Proficiency |  |
| :--- | :--- | :---: | :---: | :---: |
| ENG221 | Technical Report Writing (recommended) | 3 | ENG124 |  |
| ENG231 | College Composition II | 3 | ENG124 |  |
| COM121 | Effective Speaking | 3 |  |  |
| COM122 | Interpersonal Communication | 3 |  |  |

[^0]| Course Number | Course Title | Credits | Pre- and Co-Requisites | Completed Sem./Year |
| :---: | :---: | :---: | :---: | :---: |
| ARTS AND HUMANITIES: 6 credit hours across two disciplines |  |  |  |  |
| ENG233 | British Literature: Med to 1785 | 3 | ENG124 |  |
| ENG234 | British Literature: 1785 to Present | 3 | ENG124 |  |
| ENG236 | American Literature: Colonial to 1865 | 3 | ENG124 |  |
| ENG237 | American Literature: 1865 to Present | 3 | ENG124 |  |
| ENG240 | Women's Literature | 3 | ENG124 |  |
| HIS121 | U.S. History I to 1877 | 3 |  |  |
| HIS122 | U.S. History II from 1877 | 3 |  |  |
| HIS221 | World Civilization to $17^{\text {th }}$ Century | 3 |  |  |
| HIS222 | World Civilization From 17 ${ }^{\text {th }}$ Century | 3 |  |  |
| PHL122 | Ethics | 3 |  |  |
| SOCIAL AND BEHAVIORAL SCIENCES: 6 credit hours across two disciplines |  |  |  |  |
| BUS122 | Basic Economics^ | 3 | IDS102 or Proficiency |  |
| BUS221 | Microeconomics^ | 3 | IDS102 or Proficiency |  |
| BUS222 | Macroeconomics ${ }^{\wedge}$ | 3 | IDS102 or Proficiency |  |
| PSY121 | General Psychology^ | 3 | IDS102 or Proficiency |  |
| PSY124 | Industrial/Organizational Psychology | 3 |  |  |
| PSY220 | Social Psychology | 3 | PSY121 |  |
| PSC121 | U.S. Government and Politics | 3 |  |  |
| SOC225 | Diversity in American Society (required) | 3 | IDS102 or Proficiency |  |

ELECTIVES: Select additional credits from Natural Sciences, Mathematics, or the electives categories to complete the total of 60-65 credit hours

| CSE122 | Programming Logic and Problem Solving | 3 |  |  |
| :--- | :--- | :---: | :--- | :--- |
| CST121 | Modeling \& Simulation | 3 | MTH221 or MTH223 |  |
| ITD122 | Computer Applications for Professionals $^{\wedge}$ | 3 | ITD100 or Proficiency |  |
| SOC121 | Sociology^ $^{\wedge}$ | 3 | IDS102 or Proficiency |  |
| SOC122 | Society and Technology | 3 |  |  |
| SCI271 | Special Topics in Science I | 1 |  |  |
| SCI272 | Special Topics in Science II | 2 |  |  |
| SCI273 | Special Topics in Science III | 3 |  |  |
| SSC201 | Study Away | 1 |  |  |
|  | TOTAL CREDIT HOURS |  |  |  |
| (60 credits minimum) | $\mathbf{6 0 - 6 5}$ |  |  |  |

[^1]
## PART-TIME STUDENT ADVISING NOTES

## Academic Advising

Students should make an appointment to see their academic advisor before registering for classes each semester to discuss their academic progress as well as career plans.

Course Sequence
The semester-by-semester listing below provides the normal scheduling option for part-time associate degree students who plan to finish in eight semesters.

Elective Additional Credit
Self-selection of courses and not following the approved degree program could adversely affect graduation, transfer to a 4 -year institution, and financial aid. Visit the website of the university and program to which you are transferring for their course requirements. Also visit https://www.transferology.com/ to assist in developing a plan for transferring to another college or university. Students should select Ohio Transfer 36 approved and TAG approved courses.

Bachelor's Degree
Bachelor's degree requirements and course transferability are controlled by the institution to which the student plans to transfer.



[^0]:    ${ }^{\wedge}$ Based on SSC placement scores
    ${ }^{\wedge}$ To promote student success, this course should be taken in the first semester

    - -Fall only courses. Please see your academic advisor for availability.
    -     + Spring only courses. Please see your academic advisor for availability.

[^1]:    ${ }^{\wedge}$ Based on SSC placement scores
    ${ }^{\wedge}$ To promote student success, this course should be taken in the first semester

    - -Fall only courses. Please see your academic advisor for availability.
    $\mathbf{\Delta}+$ Spring only courses. Please see your academic advisor for availability.

