
PHYSICS (AOC)

PROGRAM OVERVIEW

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This transfer pattern is designed for students planning to transfer to a four-year college or university with a major in physics/physical science but are uncertain as to the transfer institution. The courses included in this program closely parallel the first two years of a physics/physical science major at many four-year institutions.

This is a transfer program and is designed to enable students to transfer to a four-year college or university. Check with your advisor and the Student Success Center as soon as possible to ensure specific course transferability.

Successful completion of this program qualifies a student to apply for an Associate of Science degree in Arts and Sciences - Area of Concentration in Physics.

COURSE REQUIREMENTS

REQUIRED PHYSICS COURSES

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|----------|------------------------|
| PHYS-106 | Introductory Astronomy |
| PHYS-201 | General Physics I |
| PHYS-202 | General Physics II |

REQUIRED GENERAL COURSES

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|--|--|
| CHEM-101 | General Chemistry I |
| CHEM-102 | General Chemistry II |
| ENG-101 | Freshman English I |
| ENG-103 or Arts and Humanities Elective | Introduction to Literature or Arts and Humanities Elective |
| MATH-201 | Calculus I |
| MATH-202 | Calculus II |
| MATH-203 | Calculus III |
| MATH-206 | Differential Equations |

REQUIRED ELECTIVE COURSES

Please consult with your advisor or the Advising Center staff for selecting appropriate elective courses for graduation.

Electives - 9 credits

Arts and Humanities Elective - 3 credits

Social and Behavioral Science Electives - 6 credits

PROGRAM PATH

PHYSICS

AREA OF CONCENTRATION

PREPARATION FOR TRANSFER

| <u>FIRST SEMESTER</u> | <u>Credit Hours</u> |
|---|---------------------|
| Elective | 3 |
| English 101 (Freshman English I) | 3 |
| Mathematics 201 (Calculus I) | 4 |
| Physics 201 (General Physics I) | 4 |
| Total: | 14 |
| | |
| <u>SECOND SEMESTER</u> | |
| Elective | 3 |
| English 103 (Introduction to Literature) or Arts and Humanities Elective ¹ | 3 |
| Mathematics 202 (Calculus II) | 4 |
| Physics 202 (General Physics II) | 4 |
| Social and Behavioral Science Elective ² | 3 |
| Total: | 17 |
| | |
| <u>THIRD SEMESTER</u> | |
| Arts and Humanities Elective ¹ | 3 |
| Chemistry 101 (General Chemistry I) | 4 |
| Elective | 3 |
| Mathematics 203 (Calculus III) | 4 |
| Total: | 14 |
| | |
| <u>FOURTH SEMESTER</u> | |
| Chemistry 102 (General Chemistry II) | 4 |
| Mathematics 206 (Differential Equations) | 4 |
| Physics 106 (Introductory Astronomy) | 4 |
| Social and Behavioral Science Elective ² | 3 |
| Total: | 15 |
| Total Credit Hours: | 60 |

¹ Arts and Humanities elective must be from two different disciplines.

² Social and Behavioral Science elective must be from two different disciplines.

NOTE: All courses specifically identified by course number are graduation requirements for this program.