

PHYSICS

Associate of Science

This is a recommended academic map for students who seek an Associate of Science degree with a concentration in Physics or plan to pursue a baccalaureate degree in Physics at a four-year institution of higher education in Texas. Students planning to transfer to a four-year institution should confirm transferability of courses to meet degree requirements from the institution to which they plan to attend.

College Readiness Courses (if needed)

Pre-requisite may be required for MATH 2413 Calculus I

Semester I

ENGL 1301 Composition I (Core 010)
MATH 2413 Calculus I (Core 020)
HIST 1301 United States History I (Core 060)
CHEM 1411 General Chemistry I*
Creative Arts (Core 050)

Semester II

ENGL 1302 Composition II (Core 010)
MATH 2414 Calculus II (Core 090)
CHEM 1412 General Chemistry II*
PHYS 2425 University Physics I (Core 030)

Semester III

HIST 1302 United States History II (Core 060)
GOVT 2305 Federal Government (Core 070)
PHYS 2426 University Physics II (Core 030)
Transfer Elective*
Transfer Elective*

Semester IV

GOVT 2306 Texas Government (Core 070)
Social & Behavioral Science (Core 080)
Language, Philosophy, & Culture (Core 040)
Transfer Elective*

*Transfer Electives

Students who plan to pursue a baccalaureate degree should seek advising from the institution to which they intend to transfer.

CHEM 1411 General Chemistry I
CHEM 1412 General Chemistry II
COSC 1436 Programming Fundamentals I
MATH 2318 Linear Algebra
MATH 2320 Differential Equations
MATH 2415 Calculus III

Total Semester Hours – 60

*Courses are suggested electives that will contribute to AS degree requirements. Different electives may be chosen, but must be selected from the academic rather than the technical courses, as indicated in the course descriptions.