

NATURAL SCIENCE, ASSOCIATE OF SCIENCE

Information

The Associate of Science (AS) degree is designed for students who plan to transfer to a four-year or upper-level college or university and major in mathematics, one of the sciences, engineering, or computer science. For more information, students may refer to the Core Curriculum (<https://publications.sanjac.edu/general-information/educational-programs/basics-core-curriculum-general-education-outcomes/>) section of the catalog. The AS degree differs from an Associate of Arts (AA) degree in the amount or level of mathematics and science required for degree completion. The College requires a minimum of 12 hours of mathematics, 12 hours of science, or 12 hours of computer sciences beyond the 42-hour core requirement for the degree.

The Natural Science AS degree is designed for students who either plan to transfer to a four-year or upper-level college or university and major in biology, biotechnology, chemistry, environmental science, geology, physics, or a related field or for students who plan to obtain an entry-level position in related fields. The Natural Science AS degree requires 42 hours of Core Curriculum (<https://publications.sanjac.edu/general-information/educational-programs/basics-core-curriculum-general-education-outcomes/>) and 18 transfer hours with at least 12 semester credit hours in any science courses with the exceptions of:

- BIOL 1308 Biology for Non-Science Majors I (lecture)/BIOL 1108 Biology for Non-Science Majors I (lab);
- BIOL 1309 Biology for Non-Science Majors II (lecture)/BIOL 1109 Biology for Non-Science Majors II (lab);
- CHEM 1305 Introductory Chemistry I (lecture)/CHEM 1105 Introductory Chemistry I (lab); and
- GEOL 1301 Earth Sciences for Non-Science Majors I (lecture)/GEOL 1101 Earth Sciences for Non-Science Majors I (lab).

The College recommends these courses for the AA degree. Other exceptions include BIOL 2404 Introduction to Anatomy and Physiology (lecture & lab) that the College recommends for certain Associate of Applied Science (AAS) degrees and BIOL 1322 Nutrition and Diet Therapy that the College recommends for a Bachelor of Science in Nursing (BSN) degree. Students must complete at least one of the following science courses for the Natural Science AS degree:

- BIOL 1307 Biology for Science Majors II (lecture)/BIOL 1107 Biology for Science Majors II (lab);
- CHEM 1311 General Chemistry I (lecture)/CHEM 1111 General Chemistry I (lab);
- CHEM 2325 Organic Chemistry II (lecture)/CHEM 2125 Organic Chemistry II (lab);
- GEOL 1304 Historical Geology (lecture)/GEOL 1104 Historical Geology (lab); or
- PHYS 2326 University Physics II (lecture)/PHYS 2126 University Physics II (lab).