

ENGINEERING SCIENCE

Associate in Science

The Engineering Science Associate in Science degree is a transfer program which meets a majority of the first and second year baccalaureate requirements for math, chemistry, biology and physics. These courses are the foundation of an engineering or applied mathematics program of study. The transfer program has been developed in consultation with the UNH College of Engineering and Physical Sciences to align program requirements for transfer purposes. The core courses in the program are also common to most undergraduate engineering programs.



The Engineering program also offers students flexibility in their final year to allow for a direct path toward a career in the engineering disciplines or applied mathematics discipline.

Sequence Guide

Sequence A: Applied Math/Programming Option: MATH235G (or higher), CIS177G, and CIS112G or CIS148G.

Sequence B: Practical Data Science Certificate Option: DATA210G, CIS177G, DATA220G, and DATA225G (along with MATH235 and ARTS125 electives).

Career Possibilities

The careers listed below may require additional education beyond an Associates Degree.

For more information about the outlook and trends, please visit the Bureau of Labor Statistics: www.bls.gov.

Job Title	Average Salary
Civil Engineering Technicians	\$64,200
Mechanical Drafters	\$69,920
Industrial Production Managers	\$121,440
Architectural & Engineering Managers	\$167,740

Your Road to Success

63-65 Credits to Complete

ENGINEERING SCIENCE CURRICULUM:

MATH 235G*- Statistics for Engineers & Scientists

MATH 250G - Calculus II

PHYS 290G - University Physics I

PHYS 295G - University Physics II

Choose One of the following Sequences:

- Sequence A - Applied Math / Programming
- Sequence B - Practical Data Science Certificate

GENERAL EDUCATION CURRICULUM:

FYE 114G - First Year Seminar with Engineering

CHEM 115G - General Chemistry I

CHEM 116G - General Chemistry II

ENGL 110G/111G - College Composition / with Lab

ENGL XXXG - English Elective

MATH 210G¹ - Pre-Calculus

MATH 230G*** - Calculus I

Liberal Arts Elective (3 credit)

Social Science Elective (3-4 credits)

*MATH 245G, MATH 265G, MATH 270G may be used to substitute MATH 235G

¹IF MATH 150G/152G is needed, students should take the course Summer prior to first semester

Courses are subject to change. Please refer to Catalog for suggested pathway.

Revised 5/1/2025

TAKE THE NEXT STEP!

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