

Industrial Design Technology

Degree Type

Associate of Science

NHTI's Industrial Design Technology degree program prepares you for an entry-level position in industrial design. You'll master design fundamentals with courses in drawing, 2D design, 3D design, engineering design, and manufacturing principles. Emphasis is placed on math and physical sciences, and English and social sciences broaden and improve communication skills. Graduates have the foundation to pursue a bachelor's degree or opportunities for life-long learning or professional development.

Do you have questions? Contact Susan Haas, department chair, at shaas@ccsnh.edu or 603-603-230-4000 x4113.



Career Information

Students who complete this program can enter into entry-level positions in the field of industrial design.

Admission Requirements

Apply for this program today on our [Admissions page](#) with step-by-step instructions and enrollment pathways build just for you!

Curriculum

First Year

Fall Semester

| Item # | Title | Lecture Hours | Lab Hours | Credits |
|-------------------------|--------------------------------------|---------------|-----------|-----------|
| ARET103C | Architectural Graphics and Sketching | 2 | 2 | 3 |
| ENGL101C | English Composition | 4 | 0 | 4 |
| MCET105C | Engineering Design | 4 | 0 | 4 |
| VRTS101C | Introduction to Drawing | 2 | 4 | 4 |
| Subtotal Credits | | 12 | 6 | 15 |

Spring Semester

| Item # | Title | Lecture Hours | Lab Hours | Credits |
|-------------------------|--|---------------|-------------|--------------|
| | Mathematics elective (MATH 124C or higher level) | 4 | 0 | 4 |
| MCET106C | Advanced CAD Modeling | 2 | 2 | 3 |
| VRTS103C | Two-Dimensional Design | 2 | 3 | 3 |
| VRTS104C | Three-Dimensional Design | 2 | 3 | 3 |
| | Science elective | 3 | 0 | 3-4 |
| Subtotal Credits | | 13-14 | 8-10 | 16-17 |

Second Year

Fall Semester

| Item # | Title | Lecture Hours | Lab Hours | Credits |
|----------|--|---------------|-----------|-----------|
| | INDS 110C or VRTS 11C or VRTS 115C | 3 | 0 | 3 |
| INDS150C | Industrial Design Studio 1 | 3 | 3 | 4 |
| INDS232C | Business of Design | 3 | 0 | 3 |
| MFET111C | Manufacturing and Materials Processing | 3 | 3 | 4 |
| | VRTS 193C or VRTS 195C | 3 | 0 | 3 |
| | Subtotal Credits | 15 | 6 | 17 |

Spring Semester

| Item # | Title | Lecture Hours | Lab Hours | Credits |
|----------------------|--|---------------|-----------|--------------|
| | ENGL 120C/COMM 120C or COMM 125C/ ENGL 125C | 3 | 0 | 3 |
| INDS250C | Industrial Design Studio II | 3 | 3 | 4 |
| INDS242C | Manufacturing Techniques | 3 | 0 | 3 |
| | PSYC 105C or PSYC 225C | 3 | 0 | 3 |
| | Subtotal Credits | 12 | 3 | 13 |
| Total Credits | | | | 61-62 |

Additional Information

Program Learning Outcomes

Graduates are able to:

- Employ design research that contributes to the definition and solution of design problems.
- Apply principles of engineering, basic science, math, and psychology to formulate creative design solutions for a given problem, creating rough and finished concept sketches assessing those concepts and selecting the most appropriate final design.
- Demonstrate proficient skills in sketching and rendering with appropriate media, technical drawing, 3-D physical and computer modeling, and prototyping.