CIVIL / ELECTRICAL / MECHANICAL ENGINEERING

2+2 ENGINEERING TRANSFER PROGRAM

University of Findlay

OHIO NORTHERN UNIVERSITY

Program Overview

University of Findlay students interested in science, technology, engineering, and math may consider an innovative 2+2 degree option in three different engineering fields in conjunction with Ohio Northern University (ONU). Eligible University of Findlay students accepted in the program will benefit from dual enrollment to obtain the B.S. in Civil Engineering (BSCE) program, the B.S. in Electrical Engineering (BSEE) Program, or the B.S. Mechanical Engineering (BSME) Program.

Students interested in this engineering pathway must be approved to participate prior to completing their first semester registration at UF by choosing a major in either Chemistry or Mathematics-Applied Emphasis for Engineering Science and informing their academic advisor. Students who complete the general education courses at University of Findlay may satisfy Ohio Northern University's core courses.

A student will need to also apply and be accepted to ONU as non-degree seeking. A student will enroll in a **minimum of 12 hours at UF and 3-4 hours at ONU** during each term of the student's first two years. The student's third and fourth years of undergraduate work will all be completed at ONU. Eligible students will be provided with personalized advising from both institutions to monitor progression in the program.

Program Highlights

Students pursing this pathway have three engineering options to select from:

Bachelor of Science in Civil Engineering (BSCE) - Civil engineers plan, design, and supervise the construction and maintenance of building and infrastructure projects. Civil engineers often work as generalists on a variety of projects, gaining skills in different areas that are widely applicable or they may choose to specialize in one area.

Bachelor of Science in Electrical Engineering (BSEE) - Electrical and electronics engineers design, develop, and test electrical and electronic equipment, components, and systems. This projected high growth sector offers above average media annual wages and often rewards those with practical experience who earn a bachelor's degree.

Bachelor of Science Mechanical Engineering (BSME) - Mechanical engineers design, develop, build, and test mechanical and thermal sensors and devices. Often working in engineering services, research and development, and manufacturing, mechanical engineers are employed in all states.

WHY 2+2 TRANSFER?

Study how to make big dreams become reality—with gradual entry steps into an engineering program that allows you to benefit from small class sizes and a community that builds your confidence while you enjoy all the amenities a private DII school offers. Students experience the best of both institutions with concurrent enrollment in designated courses as they progress toward their degree and consider broader career goals.

3
Engineering options to choose from

Years 1&2
12 credits at UF 3-4 credits at ONU each semester

Years 3&4
All credit hours completed at ONU

HIGH GROWTH INDUSTRIES FOR ENGINEERS:

MANAGEMENT CONSTRUCTION TRANSPORTATION

MANUFACTURING PRIVATE AND PUBLIC SECTORS

ACCREDITATION

University of Findlay and Ohio Northern University are accredited by the Higher Learning Commission (HLC), a regional accreditation agency recognized by the U.S. Department of Education.
www.hlcommission.org

ONU's Civil, Electrical, and Mechanical Engineering programs are accredited by the Engineering Accreditation Commission of ABET, under the commission's General Criteria and program criteria for Civil, Electrical, and Mechanical Engineering, respectively.
www.abet.org

SAMPLE YEAR 1 CURRICULUM FOR ALL ENGINEERING DEGREE PROGRAMS

Year 1 at UF and ONU

CIVIL

Fall Semester

CSCI 110 First-Year Experience for Analytical Sciences (UF) . . 1 hr
MATH 141 Calculus I (UF) . . . . . 4 hrs
CHEM 130 General Chemistry I (UF) . . . . . 3 hrs
CHEM 130L General Chemistry I / Lab (UF) . . . . . 1 hr
ENGL 106 College Writing II:
Academic Writing and Research (UF) . . . . . 3 hrs
ENGR 1041 Foundations of Design I (ONU) . . . . . 3 hrs

Spring Semester

BUAD 150 Principles of Entrepreneurship (UF) OR
ECON 200 Principles of Macroeconomics (UF) OR
ECON 200 Principles of Microeconomics (UF) . . . . . 3 hrs
Findlay CORE+ (UF) . . . . . 3 hrs
Findlay CORE+ (UF) . . . . . 3 hrs
ENGR 1051 Foundations of Design II (ONU) . . . . . 3 hrs

ELECTRICAL

Fall Semester

CSCI 110 First-Year Experience for Analytical Sciences (UF) . . 1 hr
MATH 141 Calculus I (UF) . . . . . 4 hrs
Science Elective with Lab (UF) . . . . . 4 hrs
(excluding PHYS 252 / PHYS 253)
PHIL 101 Intro to Logic (UF) . . . . . 3 hrs
ENGR 1041 Foundations of Design I (ONU) . . . . . 3 hrs

Spring Semester

CSCI 192 Introductory Java Programming (UF) . . . . . 3 hrs
PHIL 301 Logic and Language (UF) . . . . . 3 hrs
Findlay CORE+ (UF) . . . . . 3 hrs
ENGL 106 College Writing II:
Academic Writing and Research (UF) . . . . . 3 hrs
ENGR 1051 Foundations of Design II (ONU) . . . . . 3 hrs

MECHANICAL

Fall Semester

CSCI 110 First-Year Experience for Analytical Sciences (UF) . . 1 hr
MATH 141 Calculus I (UF) . . . . . 4 hrs
CHEM 130 General Chemistry I (UF) . . . . . 3 hrs
CHEM 130L General Chemistry I / Lab (UF) . . . . . 1 hr
ENGL 106 College Writing II:
Academic Writing and Research (UF) . . . . . 3 hrs
ENGR 1041 Foundations of Design I (ONU) . . . . . 3 hrs

Spring Semester

MATH 221 Integrated Statistical Analysis (UF) OR . . . . . 4 hrs
MATH 223 Applied Statistics and Data Analysis (UF) . . . . . 3 hrs
BUAD 150 Principles of Entrepreneurship (UF) OR
ECON 200 Principles of Macroeconomics (UF) OR
ECON 200 Principles of Microeconomics (UF) . . . . . 3 hrs
Findlay CORE+ (UF) . . . . . 3 hrs
Findlay CORE+ (UF) . . . . . 3 hrs
ENGR 1051 Foundations of Design II (ONU) . . . . . 3 hrs

Years 2 at UF and ONU

Specific classes vary by program. At the end of the first two years, students who have at least a 3.0 minimum cumulative grade point average (GPA) from both institutions and at least a 2.5 cumulative GPA in the courses at ONU will be guaranteed admission to ONU.

Years 3 & 4 at ONU

Engineering full-major classes at Ohio Northern University. Advanced math, engineering, and ONU Core. Courses are generally available Fall and Spring.

University of Findlay

OFFICE OF ADMISSIONS
419-434-4732 | 1-800-548-0932 | admissions@findlay.edu

APPLY

* Numbers represented reflect 2023-24 information REV 9-8-25

Visit findlay.edu for UF's Non-Discrimination Statement.