

ENGINEERING

- Master of Science in Engineering (p. 1)

Eddy M. Rojas, Dean

The Master of Science in engineering allows flexibility for general or specialized program construction according to the needs of the individual student in conformance with the requirements of the School of Engineering and the University of Dayton.

Master of Science in Engineering (EGR)

The program of study leading to the Master of Science in engineering must include a minimum of 33 semester hours of the following:

Fifteen semester hours in a major area	15
Fifteen semester hours of electives	15
Three semester hours of research on an approved project	3
Total Hours	33

See also Master's Degree Requirements in School of Engineering section in the bulletin and consult with the director of the Master of Science in engineering program.

Courses

EGR 501. ETHOS Center Internship. 6 Hours

Full time domestic or international internship with a non-profit or international non-governmental agency. Permission only.

EGR 530. Appropriate Technology and Design II. 0-3 Hours

An experiential, case-based course in appropriate technology and engineering design. Case studies focus on international standards and specifications for appropriate technologies; global protocols for needs assessment and engineering impact evaluation; and social science research methods for well being assessment. The course also includes an intensive ETHOS service-learning immersion experience focused on technical or engineering design work in a developing country. Senior or graduate status; permission by instructor.

EGR 590. Selected Readings. 1-6 Hours

Directed readings on an interdisciplinary engineering topic approved by the student's academic advisor and the department chair. May be repeated. Possible topics include: (a) Research Ethics, (b) Engineering Innovation, (c) Entrepreneurship, or (d) Multidisciplinary Design.

Prerequisite(s): Variable.