

ENGINEERING (EGT)

EGT 101 - Introduction to Engineering & Technology (0.0-3.0 hours)

This course offers an in-depth introduction of the engineering profession in order to provide undecided engineering students more awareness of opportunities and differences within the engineering disciplines.

Emphases: the design process, engineering problem solving and tools, engineering ethics, experimentation, and communication.

Prerequisite: Major in EGT UEG

EGT 200 - Sophomore Engineering Practicum (0.0 hours)

Solving technically challenging problems with a near-term economic benefit. Only for students approved for practicum by the Dean's Office. Pass/fail.

EGT 210 - Sophomore Engineering Internship (0.0 hours)

Core Curriculum: EL

Full-time internship away from campus for engineering and technology students to gain academic or career-related work experience in industry. May be repeated only with consent of internship coordinator and internship faculty advisor. Satisfactory/Unsatisfactory.

Prerequisite: Sophomore standing in the College of Engineering and Technology, 2.0 overall grade point average at Bradley, approval of engineering and technology Co-op coordinator and Co-op faculty advisor.

EGT 300 - Junior Engineering Practicum (0.0 hours)

Solving technically challenging problems with a near-term economic benefit. Only for students approved for practicum by the Dean's Office. Pass/Fail.

EGT 301 - CCET Global Scholars Seminar (1.0 hour)

Seminar topics of special interest relevant to enhancement of the study abroad program. Topics may vary each time course is offered. May be repeated under different topics for a total of 2 semester hours. Topic and prerequisites stated in current Schedule of Classes.

Prerequisite: Overall GPA of 2.50 or higher.

EGT 310 - Junior Engineering Internship (0.0 hours)

Core Curriculum: EL

Full-time internship away from campus for engineering and technology students to gain academic or career-related work experience in industry. May be repeated only with consent of internship coordinator and internship faculty advisor. Satisfactory/Unsatisfactory.

Prerequisite: Junior standing in the College of Engineering and Technology, 2.0 overall grade point average at Bradley, approval of internship coordinator and internship faculty advisor.

EGT 340 - Sustainability Issues in Business and Engineering (3.0 hours)

Core Curriculum: MI

This course will provide an overview and history of sustainability. Students will gain a greater appreciation of sustainability by integrating engineering and business methods. Topics include carbon markets, renewable resources, sustainable communities, green marketing, and innovative technologies. Cross-listed with BUS 340.

EGT 400 - Senior Engineering Practicum (0.0 hours)

Solving technically challenging problems with a near-term economic benefit. Only for students approved for practicum by the Dean's Office. Pass/fail.

Prerequisite: Sophomore standing

EGT 410 - Senior Engineering Internship (0.0 hours)

Core Curriculum: EL

Full-time internship away from campus for engineering and technology students to gain academic or career-related work experience in industry. May be repeated only with consent of internship coordinator and internship faculty advisor. Satisfactory/Unsatisfactory.

Prerequisite: Senior standing in the College of Engineering and Technology, 2.0 overall grade point average at Bradley, approval of internship coordinator and internship faculty advisor.

EGT 500 - Graduate Engineering Practicum (0.0 hours)

Solving challenging problems with a near-term economic benefit. Only for students approved for practicum by the Dean's Office. Pass/fail.

Prerequisite: Graduate student.

EGT 510 - Graduate Engineering Internship (0.0 hours)

Full-time internship away from campus for engineering and technology students to gain academic or career-related work experience in industry. May be repeated only with consent of internship coordinator and internship faculty advisor. Satisfactory/Unsatisfactory.

Prerequisite: engineering and technology graduate student. Newly admitted graduate student must be unconditionally admitted and continuing student must have a minimum of 3.0 grade point average in graduate courses. Approval of internship coordinator and internship faculty advisor.