



# B.S. MECHANICAL ENGINEERING & B.A. GERMAN

## Plan of Study



ENGR 100 - Introduction to Engineering (2 credits)  
ENGR 170 - Mechanical Engineering Graphics (2 credits)  
ENGR 220 - Statics (4 credits)  
ENGR 221 - Mechanics of Materials (4 credits)  
ENGR 255 - Fabrication Skills (0 credits)  
ENGR 320 - Machine Design and Synthesis (4 credits)  
ENGR 322 - Dynamics (4 credits)  
ENGR 350 - Introduction to Electronics (4 credits)  
ENGR 361 - Engineering Materials (4 credits)  
ENGR 371 - Manufacturing Processes and Statistical Control (4 credits)  
ENGR 381 - Thermodynamics (4 credits)  
ENGR 383 - Fluid Mechanics (4 credits)  
ENGR 384 - Heat Transfer (4 credits)  
ENGR 410 - Control Systems and Automation (4 credits)  
ENGR 480 - Engineering Design Clinic I (4 credits)  
ENGR 481 - Engineering Design Clinic II (4 credits)  
4 Credits of Engineering Electives - Internship in Germany

MATH 113 - Calculus I (4 credits)  
MATH 114 - Calculus II (4 credits)  
MATH 200 - Multi-Variable Calculus (4 credits)  
MATH 210 - Introduction to Differential Equations and Systems (4 credits)  
PHYS 211 - Classical Physics I (4 credits)  
PHYS 212 - Classical Physics II (4 credits)  
CHEM 109 - General Chemistry for Engineers (4 credits)  
CISC 130 - Introduction to Programming and Problem Solving in the Sciences (4 credits)  
GERM 478 Experiential Learning (2 credits)  
GERM 330 (488): Intercultural Competence: Prep Study/Work abroad (2 credits)

GERM 111 - Elementary German I (4 credits)  
GERM 112 - Elementary German II (4 credits)  
GERM 211 - Intermediate German I (4 credits)  
GERM 212 - Intermediate German II (4 credits)  
GERM 300 - Introduction to German Studies (4 credits)  
GERM 3XX or 4XX (24 credits)

**Core Curriculum Requirements: 45 Core Curriculum Credits** (some may be satisfied with classes listed above). For information on flagged requirements DISJ, GP, IH, WAC, SW see class-finder, degree evaluation, and talk the IEP director.

FYEX Foundation for College Success (1 credit)  
Literature and Writing (4 credits)  
Language & Culture (0-8 credits)  
Philosophy and Theology (12 credits)  
Social Analysis (4 credits)  
Fine Arts (4 credits)  
Historical Studies (4 credits)  
Integrations in the Humanities (8 credits)