



Computer Engineering

Geneva's Computer Engineering program is focused on teaching the mechanical, electrical, and manufactural aspects of engineering computer systems. Students will learn how to thoughtfully design hardware and software necessary for effective computer networks and systems. Geneva's foundation of the integration of faith and learning results in a curriculum that encourages students to develop projects with integrity and purpose. Courses in this program will inspire students with significant technical knowledge and an understanding of how their work reflects the Creator.



scan to learn more



Computer Engineering

Example 4-Year Plan*

YEAR 1

YEAR 2

YEAR 3

YEAR 4

FALL SEMESTER

EGR 100
Calling and Vocation

EGR 101/102
Intro to Engineering

CHM 111
General College Chemistry

MAT 161
Calculus I

ENG 101
English Composition

BIB 112
Old Testament Introduction

EGR 212
Linear Circuit Analysis I

MAT 265
Probability and Statistics

CSC 101
Intro to Programming

MAT 405
Differential Equations

PHY 201
College Physics

Computer Engineering Elective

EGR 211
Solid Mechanics

Math/Science Elective

ECO 270
Principles of Microeconomics

HUM 103
Invitation to Humanities

Computer Engineering Elective

CSC 204
Algorithms

EGR 481
Senior Design Project

CPE 203
Software Engineering

HUM 303
Perspectives

Society Group B or C

POL 352
Great Issues in Politics

EGR 330
Thermal Fluid Science

EGR 482
Senior Design Project

CPE 425
Op Sys and Architecture

Computer Engineering Elective

SPRING SEMESTER

BIB 113
New Testament Introduction

Reason and Rhetoric Option

PED 103
Physical Fitness

CPE 220
Digital Systems

EGR 101/102
Intro to Engineering

MAT 162
Calculus II

EGR 225
Signals and Systems

CPE 133
Survey of Computer Science

CPE 303
Microprocessor Systems

PHY 202
College Physics II

ELE 309
Electr Dev & Circuits I

BIB 300
Biblical Worldview

HUM 203
Making the West

MAT 130
Discrete Mathematics

CSC 102
Object-Oriented Program

CPE 251
Networks and Security

GENEVA
COLLEGE

OFFICE OF ADMISSIONS

3200 College Avenue
Beaver Falls, PA 15010
800.847.8255

*Courses listed are examples and subject to change. Your class schedule will be developed with an advisor and may differ from what is listed above.

Core
Major
Elective