

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*

FALL SEMESTER

YEAR 1

YEAR 2

YEAR 3

YEAR 4

EGR 100 Calling and Vocation

EGR

EGR 212 Linear Circuit Analysis I

CPE 303 Microprocessor Systems

Engineering Elective

Core Major Elective

101/102 Intro to Engineering

> **CHM 111** General College Chemistry

CPE 133
Survey of Computer
Science

CSC 102

Object-Oriented

Program

MAT 405

Differential

PHY 201 College Physics

Computer Engineering Elective

EGR 401 Christian Ethics and Engg

EGR 481 Senior Design Project **ELE 309** Electr Dev &

Circuits I **ECO 270**

Math/Science Elective

HUM 203 Making the West

Principles of Microeconomics

HUM 303 Perspectives

Society Group B or C

MAT 161

ENG 101 English Composition

BIB 112 Old Testament Introduction

BIB 113

New Testament

Introduction

HUM 103

Invitation to

Humanities

CPE 220

Digital Systems

CSC 101

Programming

EGR

101/102 Intro to Engineering

Your class schedule will be developed with an advisor

Reason and **Rhetoric Option**

EGR 211

BIB 300 Biblical Worldview

Computer Engineering Elective

CSC 2-4

Algorithms

Elective

EGR 225 Signals and Šystems

CPE 335

MAT 265 Probability and

PHY 202 College Physics II

PED 103 Physical Fitness

POL 352 Great Issues in Politics

EGR 330 Thermal Fluid Science

EGR 482 Senior Design Project

CPE 203 Engineering

MAT 130

Discrete

Mathematics

GENEVA COLLEGE **OFFICE OF ADMISSIONS**

3200 College Avenue Beaver Falls, PA 15010 800.847.8255

SEMESTER SPRING

MAT 162 Calculus II *Courses listed are examples and subject to change

and may differ from what is listed above.

01-23