The Engineering Science program at Genesee Community College is your pathway to a rewarding career in the engineering specialty of your choice. Genesee's program followed by two years of upper division study prepares you to work in research, product development, management and many other engineering opportunities. With well-equipped, chemistry, physics and computer laboratories, Genesee students in the Engineering Science program enjoy small class sizes with affordable tuition.

Seamless Transferability to Bachelor’s in Engineering Programs
Genesee’s program was designed in cooperation with a number of four-year colleges and universities in New York State, making it possible to seamlessly transfer all credits earned at GCC into baccalaureate programs at several institutions including:

- Clarkson University
- University of Rochester
- Cornell University
- Rensselaer
- R·I·T
- University at Albany
- State University of New York
- University at Buffalo
- The State University of New York

Exciting Careers for Bachelor’s of Science Engineers
Opportunities in most engineering specialties offer excellent starting salaries and great potential for career advancement. As an engineer, you can design technology equipment, machinery, consumer products, transportation systems and much more – a degree in Engineering Science is a ticket to a fantastic career. Great professional opportunities await you with excellent benefits, starting salaries and job security throughout the nation and world. Listed below are careers and starting salaries based on a Bachelor’s degree compiled by the US Department of Labor, Bureau of Labor Statistics (2011).

- Civil Engineering: $83,380
- Chemical Engineering: $88,730
- Environmental Engineering: $84,360
- Mechanical Engineering: $78,510
- Electrical Engineering: $87,220
- Biomedical Engineering: $82,590
- Aerospace Engineering: $103,220
- Industrial Engineering: $78,730
- Computer Science: $97,970
- Biotechnical Engineering: $82,840

www.genesee.edu

Genesee Community College is an equal opportunity/affirmative action institution
Curriculum
Academic discipline for Engineering includes math, physics, chemistry, computer information, engineering dynamics and electrical circuitry. These courses provide an ideal foundation to branch off into specific disciplines such as civil, chemical, aeronautical, mechanical and electrical engineering or biotechnology.

Course Listing:
- MAT 141 - Calculus I
- MAT 142 - Calculus II
- MAT 245 - Calculus III
- MAT 255 - Differential Equations
- PHY 131 - Physics with Calculus I
- PHY 132 - Physics with Calculus II
- PHY 133 - Physics with Calculus III
- CHE 101 - General Chemistry I
- EGR 235 - Engineering Mechanics I: Statics
- EGR 236 - Engineering Mechanics II: Dynamics
- EGR 245 - Circuit Analysis
- CIS 125 - Programming and Problem Solving

High School Prerequisites and/or Recommended Courses: Four units of English, four units of social studies, laboratory courses in chemistry and physics, and mathematics through pre-calculus.

EGR 100 Introduction to Engineering
1 credit course
This course will be offered for the first time in the spring 2013 semester and introduces engineering concepts from all engineering disciplines including mechanical, biomedical, civil, environmental, chemical, computer, electrical, aerospace, nuclear and architectural. We will explore the pathway of engineered products from invention to manufacturing to selling. EGR 100 also explores how computer-aided drafting (CAD) is required in all engineering disciplines in today’s high-tech world. The course will be taught during the last eight weeks of the spring semester on Wednesday afternoons. There will be two class hours per week for eight weeks. Students will interface with engineers in the field to discuss projects. Visits to engineering companies in the area are also planned.
(Prerequisite: MAT 092 or equivalent)

Contact Ronald Schumacher at 585-343-0055 Extension 6303 or at rvschumacher@genesee.edu

Full College Experience
While engineering students enjoy well-equipped science laboratories, the overall College also offers a modern campus featuring state-of-the-art teaching and learning technology. There are 87 smart classrooms, 33 computer labs, and seven distance learning labs throughout the seven campus locations. Additionally, Genesee offers excellent student services for one-on-one tutoring, a Math Learning Center and a Language Lab.

Outside classrooms, GCC is also a great place to enjoy the full college experience with more than 40 student clubs, including the Math Club, Chess Club, Billiard Club and many more. There are 14 intercollegiate men’s and women’s sport teams, and new athletics facilities featuring the outdoor turf field for soccer and lacrosse. Inside, students love hanging out in the Student Union with a game area, computers, fire place and café, while Genesee Center for the Arts offers a sophisticated arts and cultural space with the recently opened art gallery, and the Stuart Steiner Theatre.

Lastly, College Village, the student housing community is just a short stroll from the Batavia campus with apartment-style suites for 380 students.

About Genesee Community College
Founded in 1966, Genesee has seven campus locations serving a 2,500-square mile region in the Western New York counties of Geneseo, Livingston, Orleans, and Wyoming.

- Albion Campus - 456 West Ave. / 589-4936
- Arcade Campus - 25 Edward St. / 492-5265
- Batavia Campus (Main Campus) - One College Rd. / 343-0055
- Dansville Campus - 31 Clara Barton St. / 335-7820
- Lima Campus - 7285 Gale Rd. / 582-1226
- Medina Campus - 11470 Maple Ridge Rd. / 798-1688
- Warsaw Campus - 115 Linwood Ave. / 786-3010

Additionally, Genesee offers numerous online courses and 12 online degrees.

The Benefits of a Degree from GCC
Genesee Community College Engineering degree program provides an excellent introduction to the field with plenty of hands-on learning with small class and laboratory sizes offering exceptional instruction.

Find Out More
For information about registration contact the GCC Admissions advisors at admissions@genesee.edu or 1-800-CALL-GCC.

Admission into Genesee’s Engineering program is open to all high school graduates and GED recipients. For additional information call the Admissions Office at (585) 343-6800 or go to www.genesee.edu.