THE SEMS ADVANTAGE
The School of Engineering, Mathematics and Science (SEMS) is RMU’s fastest growing school. Since its inception in 1999, total undergraduate enrollment has grown from just 22 to 972. And with its fully accredited programs, small class sizes, engaged curriculum, internship opportunities, and close ties to local industry, it’s easy to see why.

DEGREES OFFERED
Engineering (accredited by ABET-EAC): Manufacturing Engineering, Engineering (Biomedical), Engineering (Industrial), Engineering (Mechanical), Engineering (Software), Engineering Management (MS)

Mathematics (accredited by Society of Actuaries as a Center of Excellence and CAEP for education programs in sciences and mathematics): Applied Mathematics (BA), Actuarial Science (BS), Applied Mathematics (BS, Teacher Education), Applied Mathematics (BS, Financial Mathematics)

Science: BS/BA Environmental Science, Biology (BS), Biology (BS, Teacher Certification, pre-health/pre-med), Interdisciplinary Forensics Minor

OUTREACH PROGRAM
We reach over 1,000 middle and high school students through camps, competitions, conferences, educator receptions, school visits, and tours.

OPPORTUNITIES
Faculty: We invite your faculty to come for a short- or long-term visit to observe our labs and gain industry experience with our company partners.


FAST FACTS
972 Undergraduate Students
60 Graduate Students
39 Faculty and Staff

Undergraduate engineering programs accredited by ABET-EAC

Center of Actuarial Excellence

Employers who have hired or worked with SEMS students include Bayer, Bechtel Bettis, Boeing, Curtiss-Wright, Deloitte, FedEx Ground, The Hartford, Highmark, NASA Langley, TestAmerica U.S. Steel and Siemens.

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FOR MORE INFORMATION GO TO RMU.EDU/SEMS
ENGINEERING
Engineers are problem-solvers who use science and mathematics to find solutions to the challenges facing society. Today’s engineering projects involve teams of people with diverse educational backgrounds. Instead of narrowly focused individuals, employers seek talented problem solvers able to contribute to improving designs, processes and products.

FLEXIBLE PROGRAM OPTIONS
A minor in Energy & Sustainability and Forensic Science are available. Integrated BS-MS: MS degree earned in two semesters after the BS, GRE waived, number of courses reduced, scholarships continued.

SMALL CLASS SIZE - GREAT LABORATORIES
Our students study engineering in small classes of about 20 students. All of these classes are taught only by enthusiastic professors with considerable teaching and industrial experience. Most engineering courses feature weekly laboratories where students experience engineering in action and develop engineering skills.

DISTINGUISHING FEATURES
» Hands-on project based education in the Engineering Learning Factory, a $3 million industrial-grade teaching and research facility.
» Communication and Business Skills
» Academically supervised professional internships for credit, focusing on authentic engineering work in an actual firm or a research laboratory.
» Real-world capstone senior projects often sponsored by regional engineering companies.

These unique features year after year contribute to our nearly perfect job placement rate.

DEGREES OFFERED
BS Manufacturing Engineering
BS Engineering (Biomedical)
BS Engineering (Industrial)
BS Engineering (Mechanical)
BS Engineering (Software)
MS Engineering Management
MS Engineering Management FOP*
*fully online program

ACCREDITATION
Our BS degree programs are accredited by the Engineering Accreditation Commission of ABET

FULL-TIME EMPLOYERS
Bayer Materials Science & Healthcare,
FedEx Ground & Express, Bechtel Bettis,
Boeing, First Energy, CONSOl Energy,
NSA, Mark West, Curtiss-Wright,
Raytheon, Johnson & Johnson, Thermo Fisher, Siemens, BAE, Bombardier,
U.S. Steel

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