

Graduate Degree Programs

The University of Missouri-Rolla offers master of engineering, master of science, master of arts (available as a cooperative degree program with UMSL), master of science for teachers, master of business administration, doctor of philosophy, and doctor of engineering degrees. Studies fall into the general areas of engineering, economics, English, history, business, science, and technology.

The master of engineering degree is available in:

- geotechnics
- manufacturing engineering
- mining engineering

The master of science degree is available in:

- aerospace engineering
- biology, applied and environmental
- biomaterials
- ceramic engineering
- chemical engineering
- chemistry
- civil engineering
- computer engineering
- computer science
- electrical engineering
- engineering management
- environmental engineering
- geological engineering
- geology and geophysics
- information science & technology
- manufacturing engineering
- materials science and engineering
- mathematics (applied)
- mechanical engineering
- metallurgical engineering
- mining engineering
- nuclear engineering
- petroleum engineering
- physics
- systems engineering
- technical communication

The master of science for teachers degree is available in:

- chemistry
- earth sciences
- mathematics
- physics

The master of arts degree is available as a cooperative degree program with the corresponding departments of the University of Missouri-St. Louis. (A maximum of 12 graduate semester hours may be taken at UMR)

- economics
- English
- history

The master of business administration degree is available in business administration.

The doctor of philosophy degree is available in:

- aerospace engineering
- ceramic engineering
- chemical engineering
- chemistry
- civil engineering
- computer engineering
- computer science
- electrical engineering
- engineering management
- geological engineering
- geology and geophysics
- materials science and engineering
- mathematics
- mechanical engineering
- metallurgical engineering
- mining engineering
- nuclear engineering
- petroleum engineering
- physics
- systems engineering

The doctor of engineering degree is available in:

- chemical engineering
- civil engineering
- electrical engineering
- geological engineering
- mechanical engineering
- mining engineering
- nuclear engineering
- petroleum engineering

The Provost is responsible for the administration of all graduate work at UMR. In cases where your program can be demonstrably improved, the Provost can approve departures from the graduate faculty rules. Each department may have its own rules beyond the general ones listed and should be contacted if further information is desired at: <http://vpgs.umar.edu/>.

Graduate Certificates with their discipline available in:

- Business Essentials
Business Administration
- CAD/CAM and Rapid Product Realization
Manufacturing Engineering
- Composite Materials and Structures
Aerospace Engineering
- Composite Materials and Structures
Mechanical Engineering
- Contemporary Structural Engineering
Civil Engineering
- Data Warehouses
Information Science & Technology
- Electric Machine and Drives
Electrical Engineering
- Electrical Power Systems Engineering
Electrical Engineering

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- Engineering Management
Engineering Management
- Engineering Mechanics
Engineering Mechanics
- Enterprise Resource Planning
Information Science & Technology
- Explosives Engineering
Mining Engineering
- Financial Engineering
Engineering Management
- Financial Engineering
Systems Engineering
- Financial Mathematics
Mathematics
- Geoenvironmental Engineering
Civil Engineering
- Geotechnical Earthquake Engineering
Civil Engineering
- Geotechnics
Geological Engineering
- Human Computer Interaction
Information Science & Technology
- Infrastructure Renewal
Civil Engineering
- Leadership in Engineering Organizations
Engineering Management
- Leadership in Engineering Organizations
Psychology
- Manufacturing Systems
Manufacturing Engineering
- Military Construction Management
Civil Engineering
- Military Construction Management
Engineering Management
- Multimedia and Information Systems
Computer Science
- Network Centric Systems
Computer Engineering
- Network Centric Systems
Systems Engineering
- Project Engineering & Construction Management
Civil Engineering
- Project Engineering & Construction Management
Engineering Management
- Project Management
Engineering Management
- Project Management
Information Science & Technology
- Psychology of Leadership
Information Science & Technology
- Psychology of Leadership
Mathematics
- Psychology of Leadership
Psychology
- Psychometrics
Mathematics
- Psychometrics
Psychology
- Software Design and Development
Computer Science
- Systems Engineering
Systems Engineering
- Wireless Networks and Mobile Systems
Computer Science

The graduate minor is available in:

- Explosives Engineering