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
- mechanical engineering
- metallurgical engineering
- mining engineering
- nuclear engineering
- petroleum engineering
- physics
- systems engineering

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.umr.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
• 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

The graduate minor is available in:
• Explosives Engineering