Degree Programs, Emphasis Areas and Minors
University of Missouri-Rolla

(Degree programs are listed in capitals. Emphasis areas are lower case subheads followed by degree abbreviation if restricted to that degree.)

AEROSPACE ENGINEERING (BS,MS,PhD) MI
APPLIED AND ENVIRONMENTAL BIOLOGY (MS)
APPLIED MATHEMATICS (BS,MS) MI
Actuarial Science (BS)
Algebra (MS)
Algebra/Discrete Mathematics (BS)
Applied Analysis
Computational Mathematics
Statistics
ARCHITECTURAL ENGINEERING (BS)
Structural Engineering
Construction Eng & Project Mgt
Environmental Systems for Buildings
Construction Materials

BIOLOGICAL SCIENCES (BA, BS) MI
Pre-Medicine (BA)

BUSINESS AND MANAGEMENT SYSTEMS (BS) MI
Business Administration
Management Information Systems

CERAMIC ENGINEERING (BS,MS,PhD,DE)
Biomaterials (MS)

CHEMICAL ENGINEERING (BS,MS,PhD,DE)
Biochemical Engineering (BS)

CHEMISTRY (BA, BS, non-ACS Certified, MS, MST, PhD) MI
Biochemistry(BS)
Polymer & Coatings Science(BS)
Pre-Medicine(Biology)

CIVIL ENGINEERING (BS,MS,PhD,DE)
Construction Engineering
Environmental Engineering
Geotechnical Engineering
Materials Engineering
Structural Engineering
Transportation Engineering
Water Resources Engineering

COMPUTER ENGINEERING (BS,MS,PhD)

COMPUTER SCIENCE (BS,MS,PhD) MI
Computer Organization (MS)
Computer Systems and Language (MS)
Information Systems (MS)
Numerical Analysis (MS)
Operations Research (MS)

EARTH SCIENCES (MST)

ECONOMICS (BA, BS) MI
Economics/Business (BS)

ELECTRICAL ENGINEERING (BS,MS,PhD,DE)
Circuits
Communications-Signal Processing
Computer Engineering
Control
Electromagnetics
Electronics
Power
Solar Energy (MS)

ENGINEERING MANAGEMENT (BS,MS,PhD)
Industrial Engineering (BS)
Management of Technology (BS)
Manufacturing Engineering (BS)
Packaging Engineering (BS)
Public Works (MS)
Quality Engineering (BS)

ENGINEERING MECHANICS (MS,PhD)

ENGLISH (BA)

ENVIRONMENTAL ENGINEERING (BS,MS)

GEOLOGICAL ENGINEERING (BS,MS,PhD,DE) MI
Engineering Geology and Geotechnics (BS)
Environ Protect & Haz Waste Mgt (BS)
Groundwater Hydro & Cont Transport (BS)
Petrology, Energy and Natural Resources (BS)
Quarry Engineering (BS)

GEOLOGY AND GEOPHYSICS (BS,MS,PhD)
Exploration Geochemistry (MS,PhD)
Exploration Geophysics (MS,PhD)
Geochemistry (BS)
Geology (BS)
Geophysics (BS)
Groundwater & Environmental Geochemistry(BS)
Petrology Geology (BS)

HISTORY (BA) MI

INFORMATION SCIENCE & TECHNOLOGY (BS, MS) MI

MANUFACTURING ENGINEERING (MS, ME)

MATERIALS ENGINEERING (ME)

MATHEMATICS (MST, PhD) MI
Analysis (PhD)
Differential and Functional Equations (PhD)
Statistics (PhD)

MECHANICAL ENGINEERING (BS,MS,PhD,DE)
Aerospace Engineering (PhD, DE)

MINING ENGINEERING (BS,MS,ME,PhD,DE) MI
Explosives Engineering (BS)
Quarry Engineering (BS)

NUCLEAR ENGINEERING (BS,MS,PhD,DE) MI

PETROLEUM ENGINEERING (BS,MS,PhD,DE) MI

PHILOSOPHY (BA) MI

PHYSICS (BS,MS,MST,PhD) MI
Applied Physics (BS)
Geophysics (BS)

PSYCHOLOGY (BA,BS) MI
Human Resources/Personnel
Human Services
Research Psychology
Sports Psychology

Rdability of Technology

SYSTEMS ENGINEERING (MS)

TEACHER EDUCATION PROGRAM
(Secondary Teacher Certification)

MINORS (in addition to those designated MI above)
Accounting and Finance   Russian
American Studies    Sociology
Art        Spanish
Business Economics    Technical Writing
Communication Studies   Writing
Energy Technology
Film and Literature
Financial Economics
French

Geology

German
Industrial/Organizational Psychology
International Economics
Leadership Communication
Literature
Literature and Film
Materials
Military Science
Music
Political Science

Pre-Medicine

Approved by CBHE as of 01/02/2003
http://www.umr.edu/~regwww/catalog/degs.pdf