The Missouri University of Science and Technology offers master of engineering (ME), master of science (MS), master of arts (MA, 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 Missouri S&T), master of science for teachers (MST), master of business administration (MBA), doctor of philosophy (PhD), and doctor of engineering (DE) degrees. Missouri S&T also offers two graduate minors (MI). Studies fall into the general areas of business, economics, engineering, English, science and technology.

- AEROSPACE ENGINEERING (MS, PhD)
- APPLIED MATHEMATICS (MS)
- BIOLOGICAL SCIENCE (MS)
- BUSINESS ADMINISTRATION (MBA)
- CERAMIC ENGINEERING (MS, PhD)
- CHEMICAL ENGINEERING (MS, PhD, DE)
- CHEMISTRY (MS, MST, PhD)
- CIVIL ENGINEERING (MS, PhD, DE)
- COMPUTER ENGINEERING (MS, PhD)
- COMPUTER SCIENCE (MS, PhD)
- ECONOMICS (MA)
- ELECTRICAL ENGINEERING (MS, PhD, DE)
- ENGINEERING MANAGEMENT (MS, PhD)
- ENGLISH (MA)
- ENVIRONMENTAL ENGINEERING (MS)
- EXPLOSIVES ENGINEERING (MS, PhD) MI
- EXPLOSIVES TECHNOLOGY (MS)
- GEOLOGICAL ENGINEERING (MS, PhD, DE)
- GEOLOGY AND GEOPHYSICS (MS, PhD)
- GEOTECHNICS (ME)
- INDUSTRIAL ORGANIZATIONAL PSYCHOLOGY (MS)
- INFORMATION SCIENCE & TECHNOLOGY (MS)
- MANUFACTURING ENGINEERING (MS, ME)
- MATERIALS SCIENCE AND ENGINEERING (MS, PhD)
- MATHEMATICS (MST, PhD)
- MECHANICAL ENGINEERING (MS, PhD, DE)
- METALLURGICAL ENGINEERING (MS, PhD)
- MINING ENGINEERING (MS, ME, PhD, DE)
- NUCLEAR ENGINEERING (MS, PhD, DE)
- PETROLEUM ENGINEERING (MS, PhD, DE)
- PHYSICS (MS, MST, PhD)
- SYSTEMS ENGINEERING (MS, PhD)
- TECHNICAL COMMUNICATION (MS) MI
- WATER SCIENCE AND ENGINEERING (MS)