

Recommended Curriculum: MS in Professional Science - Geosciences

* Required MSPS Core Course

Geosciences Track:

Fall Semester 1 (odd yrs)

STAT 5140 (3)*
GEOL 6000 (3)
Geosciences Elective (3-4)

Spring Semester 1 (even yrs)

ACTG 6100 (3)*
GEOL 6010 (3)
GEOL 6030 (2)

Fall Semester 2 (even yrs)

BCEN 6820 (3)*
GEOL 6020 (3)
GEOG 6040 (4)

Spring Semester 2 (odd yrs)

MGMT 6740 (3)*
BCEN 6910 (3)*
GEOG 6050 (3)

GIS Track:

Fall Semester 1 (odd yrs)

STAT 5140 (3)*
GEOG 5570 (3)
INFS 6710 (3)

Spring Semester 1 (even yrs)

ACTG 6100 (3)*
GEOG 5560 (3)
Geoscience Colloquium (2)

Fall Semester 2 (even yrs)

BCEN 6820 (3)*
INFS 6500 or 6510 or 6520 (3)
GEOG 6040 (4)

Spring Semester 2 (odd yrs)

MGMT 6740 (3)*
BCEN 6910 (3)*
GEOG 6050 (3)

Environmental Geosystems Track:

Fall Semester 1 (odd yrs)

STAT 5140 (3)*
GEOL 5040 (3)
GEOL 6000 (3)

Spring Semester 1 (even yrs)

ACTG 6100 (3)*
GEOL 6010 (3)
GEOL 6030 (2)

Fall Semester 2 (even yrs)

BCEN 6820 (3)*
GEOL 6020(3)
GEOG 6040 (4)

Spring Semester 2 (odd yrs)

MGMT 6740 (3)*
GEOL 5150 (3) or ABAS 5340 (3)
or ABAS (5350)
BCEN 6910 (3)*

Geosciences (GEOG, GEOL) courses:

GEOG 5560 – Intermediate Geographic Information Systems
GEOG 5570 – Advanced Geographic Information Systems
GEOG 6040 – Geospatial Systems and Applications
GEOG 6050 – Programming for Geospatial Database Applications

GEOL 5040 – Engineering Geology
GEOL 5150 – Environmental Applications of Hydrogeology
GEOL 6000 – Environmental Geosystems
GEOL 6010 – Case Studies in Environmental Geosystems
GEOL 6020 – Advanced Hydrogeology
GEOL 6030 – Geosciences Colloquium (2)

Other Courses:

BCEN 6820 – Managerial Communication
MGMT 6740 – Leadership and Motivation
ACTG 6100 – Accounting and Legal Issues for Managers
STAT 5140 – Probabilistic and Statistical Reasoning
BCEN 6910 – Internship
INFS 6500 – IT Project Management Planning and Implementation
INFS 6510 – IT Project Risk Assessment and Control
INFS 6520 – IR Project Management Case Studies
INFS 6710 – IT Systems Development Project Management
ABAS 5340 – Soil Formation and Remediation
ABAS 5350 – Soil Survey and Land Use

Note: All students should consult with their advisor before for classes each semester. General questions should be sent to the Dept. of Geosciences Graduate Programs Coordinator, Dr. Clay Harris (clay.harris@mtsu.edu).

Part-time students should take at least one required GEOG and/or GEOL courses each semester and defer non-Geoscience courses and Geosciences electives until later semesters.