Mining Engineering, M.S.Min.E.

Curriculum in Masters of Science in Mining Engineering

A candidate for the M.S. degree in mining engineering must comply with the rules and regulations as outlined in the WVU Graduate Catalog and the specific requirements of the Statler College and the Mining Engineering Department.

Program Requirements

All M.S. degree candidates are required to perform research and follow a planned program of study. The student's research advisor, in conjunction with the student's Advising and Examining Committee (AEC) will be responsible for determining the plan of study appropriate to the student's needs. The underlying principle of the planned program is to provide the students with the necessary support to complete their degree and prepare them for their career.

Curriculum Requirements

Code	Title	Hours
A minimum cumulative GPA of 3.0 is required in all courses		
Course Requirements *		
A minimum of 60% of course credits must be from 500 level or above		
Plan of Study		
Any BIOM, BMEG, CE, CHE, CHEM, CPE, CS, EE, IENG, IH&S, MAE, MATH, MINE, PNGE, PHYS, SAFM, SENG, or STAT courses 400-795, as approved by the student's AEC		24
Select from the following based on degree path		**6**
Thesis Option - 6 hours		
MINE 697	Research (6 hours)	
Final Oral or Written Examination		
Thesis		
Problem Report Option - 6 hours		
MINE 697	Research (3 hours)	
Complete 3 additional hours of coursework from the Course Requirements listed above		
Final Oral or Written Examination		
Formal written report or professional report/paper		
Total Hours		**30**

* Students who do not hold a baccalaureate degree in mining engineering are required to take a set of undergraduate mining engineering courses above and beyond the minimum coursework requirements.

Final Examination

M.S. students following the thesis or problem report option must prepare a written research proposal. The proposal must be approved by the student's AEC at least one semester prior to the final oral examination.

All students, regardless of option, are required to pass a final oral or written examination, administered by their AEC, covering the thesis or problem report and/or related course material.

Degree Progress

The Department of Mining Engineering requires the following milestones for all Master's students. According to the graduate catalog, students will receive a yearly evaluation. This requirement may be waived for students in good standing who are expected to graduate in spring or summer.

Students who are either not making adequate degree progress or who are failing to uphold professional standards may receive notice of probation, suspension or dismissal. Students may be notified of academic consequences outside of routine evaluation processes if an issue must be addressed immediately.

Each year, no later than the first day of classes of the Fall semester, the department will distribute an updated version of the graduate handbook.

BENCHMARKS

- Year 1:
  - Submit Preliminary Plan of Study to Department (graduate coordinator or program assistant)
- Penultimate Semester:
  - Submit Final Plan of Study
- Final Semester:
  - Apply to Graduate (Registrar Form)
  - Submit Request for Final Defense and Abstract two weeks prior to defense date.
  - Prepare ETD by deadline (http://etd.lib.wvu.edu/) (See for dates and document formatting)

SATISFACTORY PROGRESS

- Maintain a 3.0 GPA in all coursework.
- Students must earn a grade of Satisfactory in the research course.

More information on policies regarding student progress can be found on the Statler College Policies page (http://catalog.wvu.edu/graduate/collegeofengineeringandmineralresources/#masterstext).

Major Learning Outcomes

MASTER OF SCIENCE IN MINING ENGINEERING (MSMINE)

Upon graduation, with a Masters of Science degree in Mining Engineering, students will have:

- Ability to investigate and develop solutions to advanced mining engineering problems
- Advanced technical knowledge and research experience needed to address the most challenging contemporary issues within a specialized area of study