

MINING TECHNOLOGY, A.S.

Begin Campus: Fayette

End Campus: Fayette

Program Note: Only courses in the Maintenance Emphasis are available at Penn State Fayette for the Mining Technology, A.S. degree program.

Degree Requirements

For the Associate of Science degree in Mining Technology, a minimum of 67 credits is required:

| Requirement | Credits |
|----------------------------|---------|
| General Education | 21 |
| Requirements for the Major | 58-59 |

12 of the 21 credits for General Education are included in the Requirements for the Major. This includes: 6 credits of GWS courses; 3 credits of GN courses; 3 credits of GQ courses.

Requirements for the Major

To graduate, a student enrolled in the major must earn a grade of C or better in each course designated by the major as a C-required course, as specified by Senate Policy 82-44 (<https://senate.psu.edu/policies-and-rules-for-undergraduate-students/82-00-and-83-00-degree-requirements/#82-44>).

| Code | Title | Credits |
|---|--|---------|
| Prescribed Courses | | |
| CAS 100 | Effective Speech | 3 |
| CMPSC 100 | Computer Fundamentals and Applications | 3 |
| EDSGN 100 | Cornerstone Engineering Design | 3 |
| ENGL 15 | Rhetoric and Composition | 3 |
| GEOSC 20 | Planet Earth | 3 |
| MATH 81 | Technical Mathematics I | 3 |
| MATH 82 | Technical Mathematics II | 3 |
| MNG 223 | Mineral Land and Mine Surveying | 2 |
| MNGT 30 | | 2 |
| MNGT 110 | Mining Administration and Law | 3 |
| MNGT 205W | Mining Systems Technology | 3 |
| MNGT 210 | Mine Machine Dynamics | 3 |
| MNGT 211 | Practicum in Mining Technology | 3 |
| MNGT 214 | Mining Management I | 3 |
| PHYS 150 | Technical Physics I | 3 |
| <i>Prescribed Courses: Require a grade of C or better</i> | | |
| MNGT 100 | Mining Technology Orientation | 1 |
| MNGT 204 | Mine Plant Technology | 3 |
| MNGT 216 | Mine Regulations and Laws | 3 |

Additional Courses

Select 8-9 credits from one of the following emphases: 8-9

Maintenance Emphasis:

MNGT 207 Electric Mine Machine Circuits

MNGT 208 Mine Power Distribution

MNGT 209 Mine Machinery Control Methods

Production Emphasis:

MNGT 202 Mining Ventilation

MNGT 213 Strata Control Methods

MNGT 215 Mining Management II

General Education

Connecting career and curiosity, the General Education curriculum provides the opportunity for students to acquire transferable skills necessary to be successful in the future and to thrive while living in interconnected contexts. General Education aids students in developing intellectual curiosity, a strengthened ability to think, and a deeper sense of aesthetic appreciation. These are requirements for all associate degree students and are often partially incorporated into the requirements of a program. For additional information, see the General Education Requirements (<https://bulletins.psu.edu/undergraduate/general-education/associate-degree-general-education-program/>) section of the Bulletin and consult your academic adviser.

The keystone symbol appears next to the title of any course that is designated as a General Education course. Program requirements may also satisfy General Education requirements and vary for each program.

Foundations (grade of C or better is required and Inter-Domain courses do not meet this requirement.)

- **Quantification (GQ):** 3 credits
- **Writing and Speaking (GWS):** 3 credits

Knowledge Domains

- **Arts (GA):** 3 credits
- **Humanities (GH):** 3 credits
- **Social and Behavioral Sciences (GS):** 3 credits
- **Natural Sciences (GN):** 3 credits

Note: Up to six credits of Inter-Domain courses may be used for any Knowledge Domain requirement, but when a course may be used to satisfy more than one requirement, the credits from the course can be counted only once.

Exploration

- **Any General Education course (including GHW and Inter-Domain):** 3 credits

University Degree Requirements

Cultures Requirement

3 credits of United States (US) or International (IL) cultures coursework are required and may satisfy other requirements

Writing Across the Curriculum

3 credits required from the college of graduation and likely prescribed as part of major requirements.

Total Minimum Credits

A minimum of 60 degree credits must be earned for an associates degree. The requirements for some programs may exceed 60 credits. Students should consult with their college or department adviser for information on specific credit requirements.

Quality of Work

Candidates must complete the degree requirements for their major and earn at least a 2.00 grade-point average for all courses completed within their degree program.

Limitations on Source and Time for Credit Acquisition

Credit used toward degree programs may need to be earned from a particular source or within time constraints (see Senate Policy 83-80 (<https://senate.psu.edu/policies-and-rules-for-undergraduate-students/82-00-and-83-00-degree-requirements/#83-80>)). For more information, check the Suggested Academic Plan for your intended program.