

# MINING TECHNICIAN - ASSOCIATE OF SCIENCE DEGREE (AS)

Explore More About This Program: <https://cwi.edu/program/mining-technician/>

## Degree Quick Facts

- **Instructional School:** Science, Technology, and Math
- **Department:** Physical Sciences
- **Program Code:** MINE.AS
- **Program Type:** Academic Transfer
- **Available Fully Online:** No
- **Eligible for Federal Financial Aid:** Yes

NOTE: Courses required for this program *may* have an additional fee; more information can be found on the [Special Course Fees](#) web page.

## Degree Requirements

Course	Course Title	Min Credits
<b>General Education Requirements</b>		
CWI 101	Connecting With Ideas	3
GEOS 105	Earth's Natural Resources (Global Perspectives)	3
ENGL 101	Writing and Rhetoric I (GEM 1)	3
ENGL 102	Writing and Rhetoric II (GEM 1)	3
COMM 101	Fundamentals of Oral Communication (GEM 2)	3
Select one of the following options (GEM 3):		5
MATH 143 & MATH 144	Precalculus I: Algebra and Precalculus II: Trigonometry	
MATH 147	Precalculus	
GEOL 101 & 101L	Physical Geology and Physical Geology Lab (GEM 4)	4
ENVI 100 & 100L	Environmental Science and Environmental Science Lab (GEM 4)	4
<u>GEM 5 - Humanistic &amp; Artistic Ways of Knowing course</u> <sup>1</sup>		3
<u>GEM 5 - Humanistic &amp; Artistic Ways of Knowing course</u> <sup>1</sup>		3
SCIE 102	Ethics in Science (GEM 6) <sup>3</sup>	3
<u>GEM 6 - Social &amp; Behavioral Ways of Knowing course</u> <sup>2</sup>		3
<b>Major Requirements</b>		
ENGR 175	Geomatics and Geospatial Data	3
GEOS 208	Hydrology and Water Resources	4
GEOS 275	Field Geology	4
GEOS 290	Mining Capstone	4
GIS 126	Fundamentals of GIS	3
Major Electives	Select credits from the list below to bring the total credits earned to 60	2-3
<b>Minimum Credit Hours Required</b>		<b>60</b>

## MINING TECHNICIAN: MAJOR ELECTIVES

Course	Course Title	Min Credits
BUSA 101	Introduction to Business	3
BUSA 120	Business Software Applications	3
GIS 226	Spatial Analysis With GIS	3
GIS 230	Remote Sensing/GIS Integration	3
GEOS 293	Geosciences Internship	1 - 3

<sup>1</sup> Mining Technician majors are encouraged to choose GEM 5 courses from the following disciplines: ARTS, ENGL, HIST, HUMA, PHIL, SIGL, or SPAN. In particular, SPAN 101 Elementary Spanish I is recommended. (NOTE: Selected GEM 5 courses must come from two different disciplines in order to fulfill the general education requirement.)

<sup>2</sup> Mining Technician majors are encouraged to choose GEM 6 courses from the following disciplines: ANTH, ECON, GEOG, POLS, SCIE, or SOC. In particular, GEOG 200 World Regional Geography is recommended. (NOTE: Selected GEM 6 courses must come from two different disciplines in order to fulfill the general education requirement.)

<sup>3</sup> This course fulfills the Ethical Reasoning requirement for an associate degree from CWI.

**NOTE: This program is not yet approved for GI Bill® use.**