

General:

Graduate students can take a maximum of 6 credits of 300 and 400 level courses for credit towards degree.

Masters: 60% is the passing grade in every course. There is a limit of 6 credits with grades between 60 and 67%. More than 6 credits and you will need to retake the course and achieve at least 74%.

PHD: 68% is the passing grade in every course. Below 68% is considered a fail. For failed courses the student must retake the same course (or a course approved by grad advisor) and achieve at least 74%.

The policies for Academic Progress are outlined on this page: <u>https://www.grad.ubc.ca/faculty-staff/policies-procedures/academic-progress-grading-practices</u>

All students should be familiar with the policy.

You cannot TA for a course which you are taking

MASc students

Required Courses:

	30 credits
MINE 598** – Graduate Student Seminar	2 credits
MINE 599C – MASc Thesis	12 credits
Courses selected in consultation with your supervisor	16 credits

PhD Students

Required Courses:	
MINE 698- Graduate Student Seminar	2 credits
MINE 699- Doctoral Dissertation	
Courses required by your supervisory committee	



Mineral Processing:	
MINE 331/590F - Physical Mineral Processes	(3) T1
MINE 447 - Dewatering of Fine Tailing	(3) T1
MINE 520 – Advanced Coal Preparation	(3) T1
MINE 465/590Y - Materials Handling	(3) T1
MINE 333/521 - Flotation	(3) T2
MINE 455/590X - Advanced Mine Water Management	(3) T2
MINE 432- Industrial Expert Systems	(3) T1
MINE 508- Integrated Mining and Processing Systems	(3) T2
MINE 522 – Processing of Mineral Fines	(4) T1
MINE 547- Industrial Expert Systems- Data Science for Mining.	(3) T1

Mine Economics and Finance

MINE 396 – Engineering Economics	(3) T1
APSC 541 – Technology Entrepreneurship*	(3) T2
□ MINE 406/554 - Mine Project Valuation and Risk Assessment	(3) T2
MINE 555 – Mining and Society	(3) T1
MINE 404/590E - Strategic Issues in Mining	(3) T2

**APSC 541 requires separate application http://blogs.ubc.ca/baen506apsc541techentrepreneurship/

Mining/ Mining Geotechnics:

 MINE 310/590C - Advanced Surface Mining & Design Rock Mechanics Course (one of the following) 	(3)T1 (3)T1or T2
 MINE 303/590M - Rock Mechanics Fundamentals MINE 403/505- Rock Mechanics Design (prereq: intro to rock 	(3)T2 mech) (3) T2
 MINE 420/552 - Mining Geostatistics MINE 302/506 - Advanced UG Mine Design MINE 485/507 - Block Caving Systems- Design & Planning MINE 402/509 - Mine Ventilation MINE 432 - Industrial Expert Systems MINE 465/590Y - Materials Handling 	(3) T2 (3)T2 (3) T2 (3) T1 (3)T1 (3)T1 (3) T1
□ MINE 547- Industrial Expert Systems- Data Science for Mining	(3) T1

Mining Environment and Sustainability:

MINE 447 - Dewatering of Fine Tailings	(3) T1
MINE 470/559 - Indigenous Peoples and Mining in Canada	(3) T1
MINE 555 - Mining and Society	(3) T1
□ MINE 455/590X - Advanced Mine Water Management (3) not c	offered 2025W
MINE 380/590Q - Advanced Mine Waste Management (3) not c	offered 2025W
MINE 581 – Safety of Tailings Storage Facilities	(3) T1
□ MINE 585-Risk Management of Tailings Storage Fac (3) not c	offered 2025W
MINE 444/590P - Urban Mining Recovering Value from E-waste	e (3) T2



Mine Waste Management:		
MINE 447 - Dewatering of Fine Tailings	(3) T1	
MINE 581 - Safety of Tailings Storage Facilities	(3) T1	
MINE 380/ 590Q- Advanced Mine Waste Management	(3) T2	
CIVL 418 – Engineering Hydrology	(3) T1	
MINE 444 - Urban Mining: Recovering Value From E-waste	(3) T2	
MINE 555 - Mining and Society	(3) T1	
MINE 585 - Risk Management of Tailings Storage Fac (3) not offered 2025W		
MINE 455/590X- Advanced Mine Water Management	(3) T2	
The following are offered by other departments. You will need your		
supervisor's permission and the instructor's permission to enroll:		
CIVL 413 - Design of Earth Dams and Containment Structures	(3) T2	
CIVL 570 - Advanced Soil Mechanics	(3) T1	
CIVL 575 – Constitutive Models for Soils	(3) T2	
CIVL 579 – Geosynthetics	(3) T1	
EOSC 329 - Groundwater Hydrology	(3) T1	
EOSC 429 - Groundwater Contamination	(3) T1	
EOSC 433 - Geological Engineering Practice II - Soil Engineering	(3) T2	
EOSC 533 - Advanced Groundwater Hydrology	(3) T1	