

MATERIALS ENGINEERING MINOR (B.ENG.) (24 CREDITS)

Offered by: Mining & Materials Engineering (Faculty of Engineering)

Degree: Bachelor of Engineering

Program credit weight: 24

Program Description

Minor Adviser: Prof. Richard Chromik (Minor Coordinator), Wong Building, Room 2620

Engineering students may obtain a Materials Engineering Minor by completing 24 credits chosen from the required and complementary courses listed below. By a careful selection of complementary courses, Engineering students may obtain this Minor with a minimum of 15 additional credits.

Note: For information about Fall 2025 and Winter 2026 course offerings, please check back on May 8, 2025. Until then, the "Terms offered" field will appear blank for most courses while the class schedule is being finalized.

Required Courses (15 credits)

Expand allContract all

Course	Title	Credits
CHEE 380	Materials Science. ¹	3
CHEE 484	Materials Engineering.	3
MIME 260	Materials Science and Engineering. ¹	3
MIME 345	Applications of Polymers.	3
MIME 465	Metallic and Ceramic Powders Processing.	3
MIME 467	Electronic Properties of Materials.	3

¹ Students choose either CHEE 380 Materials Science. or MIME 260 Materials Science and Engineering..

Complementary Courses

9 credits from the following:

Expand allContract all

Course	Title	Credits
MECH 530	Mechanics of Composite Materials.	3
MIME 360	Phase Transformations: Solids.	3
MIME 512	Corrosion and Degradation of Materials.	3
MIME 560	Joining Processes.	3
MIME 561	Advanced Materials Design.	3
MIME 563	Hot Deformation of Metals.	3
MIME 569	Electron Beam Analysis of Materials.	3