Materials Engineering Curriculum - Fall 2015

CEGEP Entry

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|---------------------------------------------------|------------------------------------------------------------|------------|--------------------------------------------------------|
| 1st Term (Fa | all) | 15 credits | Prerequisites/Co-requisites |
| CCOM 206 | Communication in Engineering | 3 | - |
| MATH 262 | Intermediate Calculus | 3 | P - MATH 141, MATH 133 |
| MECH 289 | Design Graphics | 3 | - |
| MIME 250 | Introduction to Extractive Metallurgy | 3 | C - CCOM 206 |
| MIME 261 | Structure of Materials | 3 | - |
| 2nd Term (V | Vinter) | 16 credits | Prerequisites/Co-requisites |
| CHEM 233 | Topics in Physical Chemistry | 3 | - |
| CIVE 205 | Statics | 3 | - |
| FACC 100 | Introduction to the Engineering Profession | 1 | - |
| MIME 209 | Mathematical Applications | 3 | - |
| MIME 212 | Engineering Thermodynamics | 3 | - |
| MIME 341 | Introduction to Mineral Processing | 3 | P - MIME 200 or MIME 250 |
| 3rd Term (S | ummer) | 3 credits | Prerequisites/Co-requisites |
| MATH 263 | Ordinary Differential Equations for Engineers | 3 | C - MATH 262 |
| 4th Term (F | | 17 credits | Prerequisites/Co-requisites |
| CIVE 207 | Solid Mechanics | 4 | P - CIVE 205 or MECH 210 |
| COMP 208 | Computers in Engineering | 3 | P - MATH 140, MATH 141 |
| MIME 317 | Analytical and Characterization Techniques | 3 | P - MIME 261 |
| MIME 356 | Heat. Mass and Fluid Flow | 4 | P - MIME 212 |
| MIME 360 | Phase Transformation: Solids | 3 | P - MIME 260 or MIME 261 / C - MIME 212 |
| 5th Term (W | | 2 credits | Prerequisites/Co-requisites |
| MIME 280 | Industrial Training 1 | 2 | P - 40 program credits |
| 6th Term (S | | 15 credits | Prerequisites/Co-requisites |
| FACC 300 | Engineering Economy | 3 | - |
| MIME 345 | Applications of Polymers | 3 | P - MIME 261 |
| MIME 350 | Extractive Metallurgical Engineering | 3 | P - MIME 200 or MIME 250, MIME 212 |
| MIME 467 | Electronic Properties of Materials | 3 | P - MIME 261, MATH 263 |
| CS | Complementary Studies Group A (Impact) | 3 | - |
| 7th Term (Fall) | | 15 credits | Prerequisites/Co-requisites |
| ECSE 461 | Electric Machinery | 3 | - |
| MIME 352 | Hydrochemical Processing | 3 | P - CHEM 233, MIME 200 or MIME 250, MIME 212, MIME 356 |
| MIME 362 | Mechanical Properties | 3 | P - MIME 360 |
| MIME 465 | Metallic and Ceramic Powders Processing | 3 | P - MIME 360 |
| MIME xxx | Technical Complementary | 3 | - WHIVIE 300 |
| 8th Term (W | | 15 credits | Prerequisites/Co-requisites |
| MATH 264 | Advanced Calculus for Engineers | 3 | P - MATH 262 / C - MATH 263 |
| MIME 311 | Modelling and Automatic Control | 3 | P - MIME 356 |
| MIME 442 | Analysis, Modelling and Optimization in Mineral Processing | 3 | P - MIME 341 |
| MIME 455 | Advanced Process Engineering | 3 | P - MIME 356 |
| MIME xxx | Technical Complementary | 3 | F - WIIWL 330 |
| | | 2 credits | Prorequipites/Co requisites |
| 9th Term (Summer) MIME 380 Industrial Training 2 | | 2 credits | Prerequisites/Co-requisites P - MIME 280 |
| | Industrial Training 2 | | |
| 10th Term (Fall) | | 2 credits | Prerequisites/Co-requisites |
| MIME 480 Industrial Training 3 | | 2 | P - MIME 380 |
| 11th Term (| • | 17 credits | Prerequisites/Co-requisites |
| FACC 400 | Engineering Professional Practice | 1 | P - FACC 100, 60 program credits |
| MIME 452 | Process and Materials Design | 4 | - D. MINE 000 / O. MINE 455 |
| MIME 456 | Steelmaking and Steel Processing | 3 | P - MIME 360 / C - MIME 455 |
| MIME 473 | Introduction to Computational Materials Design | 3 | P - MIME 209 and MIME 261, or permission of instructor |
| MIME xxx | Technical Complementary | 3 | • |
| CS | Complementary Studies Group B (HSSML) | 3 | - |

Technical Complementary courses are selected from an approved list given on the next page.

The Complementary Studies (CS) courses are Impact of Technology courses (Group A) and Humanities & Social Sciences, Management Studies and Law courses (Group B). These must be chosen from an approved list of courses/departments, found in the program list under "Complementary Studies" in the Faculty of Engineering Undergraduate section of the *Programs, Courses and University Regulations* publication (www.mcgill.ca/study) (see the Academic Programs section).

Students are responsible for satisfying pre-/co-requisites and verifying with their department that they are meeting the requirements of their program.

Technical Complementary Courses - Materials Engineering

6 - 9 credits from the following:

| CIVE 512 Advanced Civil Engineering Materials 3 P - CIVE 202 MECH 530 Mechanics of Composite Materials 3 P - Recommendation of instructor MIME 410 Research Project 3 P - Recommendation of instructor MIME 470 Engineering Biomaterials 3 P - MIME 261 MIME 512 Corrosion and Degradation of Materials 3 P - (CHEM 233 and MIME 352 MIME 515 Material Surfaces: A Biomimetic Approach 3 P - (CHEM 233 and MIME 261 and MIME 317) or (CHEE 310 and or CHEE 515 MIME 526 Mineral Economics 3 P - FACC 300 or MIME 310 or equivalent MIME 527 Mineral Economics 3 P - Permission of instructor MIME 542 Transmission Electron Microscopy 3 P - Permission of instructor MIME 543 Analysis: Mineral Processing Systems 1 3 P - MIME 341 MIME 544 Analysis: Mineral Processing Systems 2 3 P - MIME 341 MIME 545 Analysis: Mineral Processing 3 P - Permission of instructor MIME 546 Analysis: Mineral Processing 3 P - Permission of instructor | | | Credits | Prerequisites/Co-requisites |
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| MIME 410Research Project3P - Recommendation of instructorMIME 470Engineering Biomaterials3P - MIME 261MIME 512Corrosion and Degradation of Materials3P - MIME 261 and MIME 352MIME 515Material Surfaces: A Biomimetic Approach3P - (CHEM 233 and MIME 261 and MIME 317) or (CHEE 310 andOr CHEE 515Material Surfaces: A Biomimetic Approach3CHEE 380)MIME 526Mineral Economics3P - FACC 300 or MIME 310 or equivalentMIME 542Transmission Electron Microscopy3P - Permission of instructorMIME 544Analysis: Mineral Processing Systems 13P - MIME 341MIME 545Analysis: Mineral Processing Systems 23P - MIME 341MIME 551Electrochemical Processing3P - Permission of instructorMIME 558Engineering Nanomaterials3P - Permission of instructorMIME 558Engineering Nanomaterials3P - MIME 260 or MIME 261, MIME 362MIME 560Joining Processes3P - MIME 260, MIME 362MIME 561Advanced Materials Design3P - MIME 360MIME 563Hot Deformation of Metals3P - MIME 362MIME 564Aerospace Metallic-Materials and Manufacturing Processes3P - MIME 362MIME 565Aerospace Metallic-Materials and Manufacturing Processes3P - MIME 362MIME 568Topics in Advanced Materials3P - MIME 367MIME 570Micro- and Nano-Fabrication Fundamentals3P - MIME 467 or | CIVE 512 | Advanced Civil Engineering Materials | 3 | P - CIVE 202 |
| MIME 470 Engineering Biomaterials 3 P - MIME 261 MIME 512 Corrosion and Degradation of Materials 3 P - MIME 261 and MIME 352 MIME 515 Material Surfaces: A Biomimetic Approach 3 P - (CHEM 233 and MIME 261 and MIME 317) or (CHEE 310 and or CHEE 380) MIME 515 Material Surfaces: A Biomimetic Approach 3 CHEE 380) MIME 526 Mineral Economics 3 P - FACC 300 or MIME 310 or equivalent MIME 542 Transmission Electron Microscopy 3 P - Permission of instructor MIME 544 Analysis: Mineral Processing Systems 1 3 P - MIME 341 MIME 545 Analysis: Mineral Processing Systems 2 3 P - MIME 341 MIME 551 Electrochemical Processing 3 P - Permission of instructor MIME 556 Sustainable Materials Processing 3 P - Permission of instructor MIME 558 Engineering Nanomaterials 3 P - Permission of instructor MIME 559 Aluminum Physical Metallurgy 3 P - MIME 260 or MIME 261, MIME 362 MIME 560 Joining Processes 3 P - MIME 360, MIME 362 | MECH 530 | Mechanics of Composite Materials | 3 | P - MECH 321 |
| MIME 512Corrosion and Degradation of Materials3P - MIME 261 and MIME 352MIME 515Material Surfaces: A Biomimetic Approach3P - (CHEM 233 and MIME 261 and MIME 317) or (CHEE 310 and or CHEE 315Or CHEE 515Material Surfaces: A Biomimetic Approach3CHEE 380)MIME 526Mineral Economics3P - FACC 300 or MIME 310 or equivalentMIME 542Transmission Electron Microscopy3P - Permission of instructorMIME 544Analysis: Mineral Processing Systems 13P - MIME 341MIME 545Analysis: Mineral Processing Systems 23P - MIME 341MIME 551Electrochemical Processing3P - MIME 352MIME 556Sustainable Materials Processing3P - Permission of instructorMIME 558Engineering Nanomaterials3P - MIME 260or MIME 261, MIME 362MIME 559Aluminum Physical Metallurgy3P - MIME 360, MIME 362MIME 560Joining Processes3P - MIME 360, MIME 360MIME 561Advanced Materials Design3P - MIME 362MIME 563Hot Deformation of Metals3P - MIME 360MIME 565Aerospace Metallic-Materials and Manufacturing Processes3P - MIME 362MIME 568Topics in Advanced Materials3P - MIME 362MIME 569Electron Beam Analysis of Materials3P - MIME 362MIME 570Micro- and Nano-Fabrication Fundamentals3P - MIME 467 or ECSE 330 or equivalent, or permission of instructor | MIME 410 | Research Project | 3 | P - Recommendation of instructor |
| MIME 515 Material Surfaces: A Biomimetic Approach 3 P - (CHEM 233 and MIME 261 and MIME 317) or (CHEE 310 and or CHEE 515 Material Surfaces: A Biomimetic Approach or CHEE 515 Material Surfaces: A Biomimetic Approach 3 CHEE 380) MIME 526 Mineral Economics 3 P - FACC 300 or MIME 310 or equivalent MIME 542 Transmission Electron Microscopy 3 P - Permission of instructor MIME 544 Analysis: Mineral Processing Systems 1 3 P - MIME 341 MIME 545 Analysis: Mineral Processing Systems 2 3 P - MIME 341 MIME 551 Electrochemical Processing 3 P - MIME 352 MIME 556 Sustainable Materials Processing 3 P - Permission of instructor MIME 558 Engineering Nanomaterials 3 P - Permission of instructor MIME 559 Aluminum Physical Metallurgy 3 P - MIME 260 or MIME 261, MIME 362 MIME 560 Joining Processes 3 P - MIME 360, MIME 362 MIME 561 Advanced Materials Design 3 P - MIME 360 MIME 563 Hot Deformation of Metals 3 P - MIME 360 or MIME 261 | MIME 470 | Engineering Biomaterials | 3 | P - MIME 261 |
| or CHEE 515Material Surfaces: A Biomimetic Approach3CHEE 380)MIME 526Mineral Economics3P - FACC 300 or MIME 310 or equivalentMIME 542Transmission Electron Microscopy3P - Permission of instructorMIME 544Analysis: Mineral Processing Systems 13P - MIME 341MIME 545Analysis: Mineral Processing Systems 23P - MIME 341MIME 551Electrochemical Processing3P - Permission of instructorMIME 556Sustainable Materials Processing3P - Permission of instructorMIME 558Engineering Nanomaterials3P - MIME 260or MIME 261, MIME 362MIME 559Aluminum Physical Metallurgy3P - MIME 360, MIME 362MIME 560Joining Processes3P - MIME 360, MIME 362MIME 561Advanced Materials Design3P - MIME 360, MIME 362MIME 563Hot Deformation of Metals3P - MIME 360, MIME 362MIME 565Aerospace Metallic-Materials and Manufacturing Processes3P - MIME 260 or MIME 261MIME 568Topics in Advanced Materials3P - MIME 362MIME 569Electron Beam Analysis of Materials3P - MIME 362MIME 570Micro- and Nano-Fabrication Fundamentals3P - MIME 467 or ECSE 330 or equivalent, or permission of instructorMIME 571Surface Engineering3P - MIME 362 | MIME 512 | Corrosion and Degradation of Materials | 3 | P - MIME 261 and MIME 352 |
| MIME 526 Mineral Economics 3 P - FACC 300 or MIME 310 or equivalent MIME 542 Transmission Electron Microscopy 3 P - Permission of instructor MIME 544 Analysis: Mineral Processing Systems 1 3 P - MIME 341 MIME 545 Analysis: Mineral Processing Systems 2 3 P - MIME 341 MIME 551 Electrochemical Processing 3 P - MIME 352 MIME 556 Sustainable Materials Processing 3 P - MIME 352 MIME 558 Engineering Nanomaterials 3 P - MIME 2600 r MIME 261, MIME 362 MIME 559 Aluminum Physical Metallurgy 3 P - MIME 360, MIME 362 MIME 550 Joining Processes 3 P - MIME 250, MIME 360 MIME 561 Advanced Materials Design 3 P - MIME 360 MIME 563 Hot Deformation of Metals 3 P - MIME 360, MIME 362 MIME 565 Aerospace Metallic-Materials and Manufacturing Processes 3 P - MIME 260 or MIME 261 MIME 568 Topics in Advanced Materials 3 P - MIME 362 MIME 569 Electron Beam Analysis of Materials 3 P - MIME 362 MIME 560 Selectron Beam Analysis of Materials 3 P - MIME 362 MIME 560 Selectron Beam Analysis of Materials 3 P - MIME 362 MIME 560 Surface Engineering 3 P - MIME 467 or ECSE 330 or equivalent, or permission of instructor MIME 571 Surface Engineering 3 P - MIME 362 | MIME 515 | Material Surfaces: A Biomimetic Approach | 3 | P - (CHEM 233 and MIME 261 and MIME 317) or (CHEE 310 and |
| MIME 542 Transmission Electron Microscopy MIME 544 Analysis: Mineral Processing Systems 1 MIME 545 Analysis: Mineral Processing Systems 2 MIME 546 Analysis: Mineral Processing Systems 2 MIME 551 Electrochemical Processing MIME 552 Sustainable Materials Processing MIME 553 Sustainable Materials Processing MIME 556 Sustainable Materials Processing MIME 557 Aluminum Physical Metallurgy MIME 559 Aluminum Physical Metallurgy MIME 550 Joining Processes MIME 550 Joining Processes MIME 551 Advanced Materials Design MIME 552 Aluminum Physical Metallurgy MIME 553 Hot Deformation of Metals MIME 555 Aerospace Metallic-Materials and Manufacturing Processes MIME 558 Aerospace Metallic-Materials MIME 559 Aluminum Physical Metallurgy MIME 560 Joining Processes MIME 560 Joining Processes MIME 561 Advanced Materials Design MIME 562 Aerospace Metallic-Materials and Manufacturing Processes MIME 565 Aerospace Metallic-Materials MIME 566 Topics in Advanced Materials MIME 567 Micro- and Nano-Fabrication Fundamentals MIME 570 Micro- and Nano-Fabrication Fundamentals MIME 571 Surface Engineering MIME 571 Surface Engineering MIME 571 Surface Engineering MIME 572 Transmission of instructor MIME 573 Surface Engineering MIME 574 Surface Engineering MIME 575 Transmission of instructor MIME 576 Micro- And Nano-Fabrication Fundamentals MIME 577 Surface Engineering MIME 578 Surface Engineering | or CHEE 515 | Material Surfaces: A Biomimetic Approach | 3 | CHEE 380) |
| MIME 544 Analysis: Mineral Processing Systems 1 3 P - MIME 341 MIME 545 Analysis: Mineral Processing Systems 2 3 P - MIME 341 MIME 551 Electrochemical Processing 3 P - MIME 352 MIME 556 Sustainable Materials Processing 3 P - Permission of instructor MIME 558 Engineering Nanomaterials 3 P - MIME 260or MIME 261, MIME 362 MIME 559 Aluminum Physical Metallurgy 3 P - MIME 360, MIME 362 MIME 560 Joining Processes 3 P - MIME 250, MIME 360 MIME 561 Advanced Materials Design 3 P - MIME 362 MIME 563 Hot Deformation of Metals 3 P - MIME 360 MIME 362 MIME 565 Aerospace Metallic-Materials and Manufacturing Processes 3 P - MIME 260 or MIME 261 MIME 568 Topics in Advanced Materials 3 P - MIME 362 MIME 569 Electron Beam Analysis of Materials 3 P - MIME 362 MIME 570 Micro- and Nano-Fabrication Fundamentals 3 P - MIME 467 or ECSE 330 or equivalent, or permission of instructor MIME 571 Surface Engineering 3 P - MIME 362 | MIME 526 | Mineral Economics | 3 | P - FACC 300 or MIME 310 or equivalent |
| MIME 545 Analysis: Mineral Processing Systems 2 MIME 551 Electrochemical Processing MIME 556 Sustainable Materials Processing MIME 558 Engineering Nanomaterials MIME 559 Aluminum Physical Metallurgy MIME 560 Joining Processes MIME 561 Advanced Materials Design MIME 561 Advanced Materials Design MIME 563 Hot Deformation of Metals MIME 565 Aerospace Metallic-Materials and Manufacturing Processes MIME 568 Topics in Advanced Materials MIME 569 Electron Beam Analysis of Materials MIME 570 Micro- and Nano-Fabrication Fundamentals MIME 571 Surface Engineering 3 P - MIME 362 MIME 362 MIME 361 Analysis: Mineral Processing Systems 2 3 P - MIME 362 3 P - MIME 360 MIME 360 MIME 568 Topics in Advanced Materials 3 P - MIME 362 MIME 570 Micro- and Nano-Fabrication Fundamentals 3 P - MIME 362 | MIME 542 | Transmission Electron Microscopy | 3 | P - Permission of instructor |
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| MIME 558 Engineering Nanomaterials 3 P - MIME 260or MIME 261, MIME 362 MIME 559 Aluminum Physical Metallurgy 3 P - MIME 360, MIME 362 MIME 560 Joining Processes 3 P - MIME 250, MIME 360 MIME 561 Advanced Materials Design 3 P - MIME 362 MIME 563 Hot Deformation of Metals 3 P - MIME 360, MIME 362 MIME 565 Aerospace Metallic-Materials and Manufacturing Processes 3 P - MIME 260 or MIME 261 MIME 568 Topics in Advanced Materials 3 P - MIME 362 MIME 569 Electron Beam Analysis of Materials 3 P - MIME 317 MIME 570 Micro- and Nano-Fabrication Fundamentals 3 P - MIME 467 or ECSE 330 or equivalent, or permission of instructor MIME 571 Surface Engineering 3 P - MIME 362 | MIME 551 | Electrochemical Processing | 3 | P - MIME 352 |
| MIME 559 Aluminum Physical Metallurgy 3 P - MIME 360, MIME 362 MIME 560 Joining Processes 3 P - MIME 250, MIME 360 MIME 561 Advanced Materials Design 3 P - MIME 362 MIME 563 Hot Deformation of Metals 3 P - MIME 360, MIME 362 MIME 565 Aerospace Metallic-Materials and Manufacturing Processes 3 P - MIME 260 or MIME 261 MIME 568 Topics in Advanced Materials 3 P - MIME 362 MIME 569 Electron Beam Analysis of Materials 3 P - MIME 317 MIME 570 Micro- and Nano-Fabrication Fundamentals 3 P - MIME 467 or ECSE 330 or equivalent, or permission of instructor MIME 571 Surface Engineering 3 P - MIME 362 | MIME 556 | Sustainable Materials Processing | 3 | P - Permission of instructor |
| MIME 560 Joining Processes 3 P - MIME 250, MIME 360 MIME 561 Advanced Materials Design 3 P - MIME 362 MIME 563 Hot Deformation of Metals 3 P - MIME 360, MIME 362 MIME 565 Aerospace Metallic-Materials and Manufacturing Processes 3 P - MIME 260 or MIME 261 MIME 568 Topics in Advanced Materials 3 P - MIME 362 MIME 569 Electron Beam Analysis of Materials 3 P - MIME 317 MIME 570 Micro- and Nano-Fabrication Fundamentals 3 P - MIME 467 or ECSE 330 or equivalent, or permission of instructor MIME 571 Surface Engineering 3 P - MIME 362 | MIME 558 | Engineering Nanomaterials | 3 | P - MIME 260or MIME 261, MIME 362 |
| MIME 561 Advanced Materials Design 3 P - MIME 362 MIME 563 Hot Deformation of Metals 3 P - MIME 360, MIME 360 MIME 565 Aerospace Metallic-Materials and Manufacturing Processes 3 P - MIME 260 or MIME 261 MIME 568 Topics in Advanced Materials 3 P - MIME 362 MIME 569 Electron Beam Analysis of Materials 3 P - MIME 317 MIME 570 Micro- and Nano-Fabrication Fundamentals 3 P - MIME 467 or ECSE 330 or equivalent, or permission of instructor MIME 571 Surface Engineering 3 P - MIME 362 | MIME 559 | Aluminum Physical Metallurgy | 3 | P - MIME 360, MIME 362 |
| MIME 563 Hot Deformation of Metals MIME 565 Aerospace Metallic-Materials and Manufacturing Processes MIME 568 Topics in Advanced Materials MIME 569 Electron Beam Analysis of Materials MIME 570 Micro- and Nano-Fabrication Fundamentals MIME 571 Surface Engineering 3 P - MIME 360, MIME 362 P - MIME 260 or MIME 261 3 P - MIME 362 3 P - MIME 317 P - MIME 467 or ECSE 330 or equivalent, or permission of instructor MIME 571 Surface Engineering 3 P - MIME 362 | MIME 560 | Joining Processes | 3 | P - MIME 250, MIME 360 |
| MIME 565 Aerospace Metallic-Materials and Manufacturing Processes 3 P - MIME 260 or MIME 261 MIME 568 Topics in Advanced Materials 3 P - MIME 362 MIME 569 Electron Beam Analysis of Materials 3 P - MIME 317 MIME 570 Micro- and Nano-Fabrication Fundamentals 3 P - MIME 467 or ECSE 330 or equivalent, or permission of instructor MIME 571 Surface Engineering 3 P - MIME 362 | MIME 561 | Advanced Materials Design | 3 | P - MIME 362 |
| MIME 568 Topics in Advanced Materials 3 P - MIME 362 MIME 569 Electron Beam Analysis of Materials 3 P - MIME 317 MIME 570 Micro- and Nano-Fabrication Fundamentals 3 P - MIME 467 or ECSE 330 or equivalent, or permission of instructor MIME 571 Surface Engineering 3 P - MIME 362 | MIME 563 | Hot Deformation of Metals | 3 | P - MIME 360, MIME 362 |
| MIME 569 Electron Beam Analysis of Materials 3 P - MIME 317 MIME 570 Micro- and Nano-Fabrication Fundamentals 3 P - MIME 467 or ECSE 330 or equivalent, or permission of instructor MIME 571 Surface Engineering 3 P - MIME 362 | MIME 565 | Aerospace Metallic-Materials and Manufacturing Processes | 3 | P - MIME 260 or MIME 261 |
| MIME 570 Micro- and Nano-Fabrication Fundamentals 3 P - MIME 467 or ECSE 330 or equivalent, or permission of instructor MIME 571 Surface Engineering 3 P - MIME 362 | MIME 568 | Topics in Advanced Materials | 3 | P - MIME 362 |
| MIME 571 Surface Engineering 3 P - MIME 362 | MIME 569 | Electron Beam Analysis of Materials | 3 | P - MIME 317 |
| MIME 571 Surface Engineering 3 P - MIME 362 | MIME 570 | Micro- and Nano-Fabrication Fundamentals | 3 | P - MIME 467 or ECSE 330 or equivalent, or permission of |
| | | | | instructor |
| MIME 572 Computational Thermodynamics 3 P - MIME 212 | MIME 571 | Surface Engineering | 3 | P - MIME 362 |
| | MIME 572 | Computational Thermodynamics | 3 | P - MIME 212 |

0 - 3 credits from the following:

| | | Credits | Prerequisites/Co-requisites |
|----------|---------------------------------|---------|------------------------------------------------------|
| BMDE 504 | Biomaterials and Bioperformance | 3 | Restriction: Year 3 students |
| CHEM 574 | Introductory Polymer Chemistry | 3 | P - CHEM 233 |
| CHEM 585 | Colloid Chemistry | 3 | P - CHEM 345, MATH 233, MATH 315, PHYS 241, PHYS 242 |
| PHYS 558 | Solid State Physics | 3 | Restriction: Year 3 students |

Last update: March 18, 2015

For the official program listing, see the Programs, Courses and University Regulations publication (www.mcgill.ca/study).