

Recommended Course Sequence  
Bachelor of Science - Physics: Materials Science Concentration (0416)

Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8
ENGL 101 College Writing Skills (3 Credits)	ENGL 102 Research Writing (3 Credits)	CHEM 330 Organic Chemistry I (4 Credits)	PHYS 325 Modern Physics (3 Credits)	PHYS 441 Thermal Physics (3 Credits)	PHYS 415 Solid State Physics (3 Credits)	CSCI 130 Principles of Programming I (3 Credits)	PHYS 449 Mathematical Methods of Physics (3 Credits)
MATH 211 Calculus I (4 Credits)	CHEM 241 Principles of Chemistry II (4 Credits)	PHYS 321 University Physics II (4 Credits)	CHEM 331 Organic Chemistry II (4 Credits)	CHEM 530 Physical Chemistry I (4 Credits)	MFGT 306 Strength of Materials Lab (3 Credits)	General Education Course (3 Credits)	Choose One: PHYS 453, PHYS 420, PHYS 430, or ENGR 303 (3 Credits)
CHEM 240 Principles of Chemistry I (4 Credits)	MATH 212 Calculus II (4 Credits)	PHYS 323 Physical Measurements Lab II (1 Credit)	MATH 275 Linear Algebra (3 Credits)	MASC 210 Intro to Materials Science (4 Credits)	CHEM 533 OR CHEM 420 (3 Credits)	General Education Course (3 Credits)	General Education Course (3 Credits)
General Education Course (3 Credits)	PHYS 320 University Physics I (4 Credits)	MATH 311 Calculus III (4 Credits)	General Education Course (3 Credits)	MFGT 105 Engineering Materials (3 Credits)	General Education Course (3 Credits)	Free Elective (3 Credits)	Free Elective (3 Credits)
Free Elective (3 Credits)	PHYS 322 Physical Measurements Lab I (1 Credit)		General Education Course (3 Credits)		General Education Course (3 Credits)	Free Elective (3 Credits)	Free Elective (2 Credits)

General Education Requirements

Required Supporting Courses

Free Electives

Major Foundation Requirements

Major Courses

Effective Summer 2019