



SEMESTER 1 - Heartland Community College

CHEM 161	General Chemistry I	5.0
ENGL 101	Critical Reading and Writing	3.0
MATH 161	Calculus I	5.0
MFTG 130	Engineering Graphics	3.0
		16.0

SEMESTER 2 - Heartland Community College

CHEM 162	General Chemistry II	5.0
CSCI 171	Computer for Engineering & Science	3.0
MATH 162	Calculus II	4.0
PHYS 171	Mechanics	4.0
		16.0

SEMESTER 3 - Heartland Community College

Elective	IAI Social Science	3.0
		3.0

SEMESTER 4 - Heartland Community College

CHEM 241/ENGR 271	Organic Chem I/Engr Mech: Statics	5.0
ENGL 102	Multimodal Composition	3.0
MATH 163	Calculus III	4.0
PHYS 172	Electricity & Magnetism	4.0
		16.0

SEMESTER 5 - Heartland Community College

MATH 272	Differential Equations	4.0
CHEM 242/ENGR 272	Organic Chem II/Engr Mech: Dynamics	5.0
PHYS 173	Fluid & Thermal Dynamics	2.0
PHYS 174	Quantum Physics	2.0
Elective	IAI Humanities	3.0
		16.0

SEMESTER 6 - SIU

CMST 101	Intro: Oral Communication	3.0
		3.0

SEMESTER 7 - SIU

Elective	Social Science	3.0
Elective	Life Science	3.0
IMAE 110	Geometric Dimensioning & Tolerancing	3.0
IMAE 208	Fund of Manufacturing Processes	3.0
IMAE 305	Industrial Safety	3.0
		15.0

SEMESTER 8 - SIU

Elective	Fine Arts	3.0
Elective	Multicultural	3.0
Elective	IMAE Elective, 300-400 Level	3.0
IMAE 390	Cost Estimating	3.0
IMAE 442	Fundamentals of Leadership	3.0
		15.0

SEMESTER 9 - SIU

IMAE 392	Facilities Planning & Workplace Design	3.0
IMAE 450	Project Management	3.0
IMAE 465	Lean Manufacturing	3.0
IMAE 470A	Six Sigma Green Belt I	3.0
IMAE 476	Supply Chain Management	3.0
		15.0

SEMESTER 10 - SIU

IMAE 375	Production & Inventory Management	3.0
IMAE 340	Intro to Supervision	3.0
IMAE 470B	Six Sigma Green Belt II	3.0
IMAE 445	Computer Integrated Manufacturing	3.0
Elective	IMAE Elective, 300-400 Level	3.0
		15.0

TOTAL HOURS: 130.0