



Saluki Step Ahead
 St. Louis Community College
 AS Engineering Science to BS IMAE

SEMESTER 1 - St. Louis Community College

MTH 210	Analytic Geometry & Calculus I	5.0
CHM 105	General Chemistry I	5.0
ENG 101	College Composition I	3.0
ESC 100	Engr Computer Applications & Design	3.0
		16.0

SEMESTER 2 - St. Louis Community College

Elective	Soc & Behav Sci: Civics Requirement	3.0
MTH 220	Analytic Geometry & Calculus II	5.0
ESC 101	Scientific Computer Programming	3.0
PHY 122	Engineering Physics I	5.0
		16.0

SEMESTER 3 - St. Louis Community College

MTH 230	Analytic Geometry & Calculus III	5.0
PHY 223	Engineering Physics II	5.0
ESC 203	Engineering Statics	3.0
ESC 200	Engineering Circuits I	4.0
		17.0

SEMESTER 4 - St. Louis Community College

MTH 240	Differential Equations	3.0
Elective	Engineering Science Elective	3.0
Elective	Engineering Science Elective	3.0
Elective	Engineering Science Elective	1.0
ENG 102	College Composition II	3.0
		13.0

SEMESTER 5 - SIU

Elective	Humanities	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 6 - SIU

Elective	Fine Arts	3.0
CMST 101	Intro: Oral Communication	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 7 - 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 8 - 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: 122.0