



Saluki Step Ahead
Southwestern Illinois College
AES General to BS IMAE

SEMESTER 1 - Southwestern Illinois College

ENG 101	Rhetoric & Composition I	3.0
MATH 203	Analytic Geometry/Calculus I	5.0
Elective	IAI Social Science	3.0
CHEM 105	General Chemistry I	5.0
		16.0

SEMESTER 2 - Southwestern Illinois College

ENG 102	Rhetoric & Composition II	3.0
PHYS 204	Physics-Mechanics	5.0
Elective	Engineering Specialization Elective	3.0
MATH 204	Analytic Geometry/Calculus II	5.0
		16.0

SEMESTER 3 - Southwestern Illinois College

PHYS 205	Physics-Heat Electricity Magnetism	5.0
ENGR 263	Analytical Mechanics-Statics	3.0
MATH 205	Analytic Geometry/Calculus III	4.0
Elective	Engineering Specialization Elective	3.0
Elective	Engineering Specialization Elective	3.0
		18.0

SEMESTER 4 - Southwestern Illinois College

ENGR 271	Electrical Circuits	3.0
MATH 290	Differential Equations	3.0
Elective	Human Well-being Elective	2.0
ENGR 264	Analytics Mechanics-Dynamics	3.0
Elective	Engineering Specialization Elective	3.0
		14.0

SEMESTER 5 - SIU

CMST 101	Intro: Oral Communication	3.0
		3.0

SEMESTER 6 - 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 7 - SIU

Elective	Multicultural	3.0
Elective	Fine Arts	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 8 - 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 9 - 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: 127.0