



Saluki Step Ahead
Oakton College
AS Engineering to BS IMAE

SEMESTER 1 - Oakton College

EGL 101	Composition I	3.0
MAT 250	Calculus I	5.0
CHM 121	General College Chemistry I	4.0
ENG 120	Engineering Graphics	3.0
		15.0

SEMESTER 2 - Oakton College

EGL 102	Composition II	3.0
MAT 251	Calculus II	4.0
PHY 221	General Physics I	5.0
CSC 170	Introduction to Numerical Methods	2.0
Elective	CSC Elective, 171, 172, 173 or 174	1.0
Elective	IAI Social Science	3.0
		18.0

SEMESTER 3 - Oakton College

MAT 252	Calculus III	4.0
PHY 222	General Physics II	5.0
ENG 211	Analytical Mechanics (Statics)	3.0
Elective	IAI Social Science	3.0
		15.0

SEMESTER 4 - Oakton College

MAT 262	Ordinary Differential Equations	3.0
ENG 212	Analytical Mechanics (Dynamics)	3.0
Elective	Global Studies	3.0
Elective	CHM 122, ENG 217/220/250 or PHY 223	7.0
		16.0

SEMESTER 5 - SIU

CMST 101	Intro: Oral Communication	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
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 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: 124.0