



Saluki Step Ahead
Highland Community College
AES to BS IMAE

SEMESTER 1 - Highland Community College

ENGL 121	Rhetoric & Composition I	3.0
MATH 250	Analytic Geometry & Calculus I	5.0
INFT 190	Principles of Computer Science I	3.0
Elective	IAI Social & Behavioral Science	3.0
Elective	IAI Humanities	3.0
		17.0

SEMESTER 2 - Highland Community College

ENGL 122	Rhetoric & Composition II	3.0
MATH 255	Analytic Geometry & Calculus II	5.0
CHEM 123	General College Chemistry I	5.0
Elective	IAI Social Science	3.0
		16.0

SEMESTER 3 - Highland Community College

Elective	General Elective	5.0
		5.0

SEMESTER 4 - Highland Community College

MATH 269	Analytic Geometry & Calculus III	4.0
PHYS 143	General Physics I	4.0
Elective	IAI Fine Arts	3.0
Elective	Engineering Speciality Course	4.0
		15.0

SEMESTER 5 - Highland Community College

MATH 265	Differential Equations	3.0
PHYS 144	General Physics II	4.0
Elective	Engineering Speciality Course	3.0
Elective	Engineering Speciality Course	4.0
		14.0

SEMESTER 6 - SIU

CMST 101	Intro: Oral Communication	3.0
Elective	Multicultural	3.0
IMAE 110	Geometric Dimensioning & Tolerancing	3.0
IMAE 208	Fundamentals of Manufacturing Processes	3.0
IMAE 305	Industrial Safety	3.0
		15.0

SEMESTER 7 - SIU

Elective	Life Science	3.0
Elective	IMAE Elective, 300-400 Level	3.0
IMAE 390	Cost Estimating	3.0
IMAE 442	Fundamentals of Leadership	3.0
IMAE 476	Supply Chain Management	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
Elective	IMAE Elective, 300-400 Level	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
		12.0

TOTAL HOURS: 124.0