



## Saluki Step Ahead

Parkland College  
AES to BS IMAE

### SEMESTER 1 - Parkland College

ENG 101	Composition I	3.0
MAT 138	Calculus & Analytic Geometry I	5.0
Elective	IAI Social Science	3.0
CHE 141	General Chemistry I	5.0
		<b>16.0</b>

### SEMESTER 2 - Parkland College

ENG 102	Composition II	3.0
MAT 129	Calculus & Analytic Geometry II	4.0
PHY 141	Mechanics	4.0
Elective	IAI Social Science	3.0
		<b>14.0</b>

### SEMESTER 3 - Parkland College

PHY 142	Electricity & Magnetism	4.0
MAT 228	Calculus & Analytic Geometry III	4.0
CSC 127	Intro to Computer w/ Engr Applications	3.0
Elective	Engineering Elective	4.0
		<b>15.0</b>

### SEMESTER 4 - Parkland College

MAT 229	Diff Equation & Intro Matrix Theory	5.0
Elective	IAI Humanities	3.0
Elective	Engineering Elective	4.0
Elective	IAI Multicultural	3.0
		<b>15.0</b>

### SEMESTER 5 - SIU

CMST 101	Intro: Oral Communication	3.0
Elective	Life Science	3.0
IMAE 110	Geometric Dimensioning & Tolerancing	3.0
IMAE 208	Fundamentals of Manufact Processes	3.0
IMAE 305	Industrial Safety	3.0
		<b>15.0</b>

### SEMESTER 6 - SIU

Elective	Fine Arts	3.0
Elective	IMAE Elective, 300-400 Level	3.0
IMAE 340	Intro to Supervision	3.0
IMAE 390	Cost Estimating	3.0
IMAE 442	Fundamentals of Leadership	3.0
		<b>15.0</b>

### 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
		<b>15.0</b>

### SEMESTER 8 - SIU

IMAE 375	Production & Inventory Management	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
Elective	General Elective	3.0
		<b>15.0</b>

**TOTAL HOURS: 120.0**