



## Saluki Step Ahead

Waubonsee Community College  
Associate in Engineering Science to BS IMAE

### SEMESTER 1 - Waubonsee Community College

ENG 101	First Year Composition I	3.0
MTH 131	Calculus with Analytic Geometry I	4.0
Elective	IAI Social Science	3.0
CHM 121	General Chemistry	4.0
CIS 115	Intro to Programming	3.0
		<b>17.0</b>

### SEMESTER 2 - Waubonsee Community College

ENG 102	First Year Composition II	3.0
COM 100	Fundamentals of Speech Communication	3.0
MTH 132	Calculus with Analytic Geometry II	4.0
PHY 221	General Physics I	5.0
CIS 130	Comp Sci C++ Programming	3.0
		<b>18.0</b>

### SEMESTER 3 - Waubonsee Community College

PHY 222	General Physics I	5.0
MTH 233	Calculus w/ Analytic Geom III	4.0
EGR 101	Engineering Graphics	3.0
EGR 220	Analytical Mech-Statistics	3.0
		<b>15.0</b>

### SEMESTER 4 - Waubonsee Community College

MTH 240	Differential Equations	3.0
Elective	IAI Fine Arts	3.0
CIS 230	Advanced C++	3.0
EGR 230	Analytical Mech-Dynamics	3.0
Elective	IAI Humanities	3.0
		<b>15.0</b>

### SEMESTER 5 - SIU

Elective	Social Science	3.0
Elective	Life Science	3.0
IMAE 110	Geometric Dimensioning & Tolerancing	3.0
IMAE 208	Fundamentals of Manufacturing Processes	3.0
IMAE 305	Industrial Safety	3.0
		<b>15.0</b>

### SEMESTER 6 - SIU

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
IMAE 476	Supply Chain Management	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
Elective	IMAE Elective, 300-400 Level	3.0
		<b>15.0</b>

### 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
		<b>12.0</b>

**TOTAL HOURS: 122.0**