



**Saluki Step Ahead**  
Rock Valley College  
AES General to BS IMAE

**SEMESTER 1 - Rock Valley College**

ENG 101	Composition I	3.0
MTH 135	Calculus with Analytic Geometry I	4.0
ECO 111	Princ of Econ: Micro -or- Social Science	3.0
CHM 120	General Chemistry I	4.0
STU 100	Planning for Success	1.0
		<b>15.0</b>

**SEMESTER 2 - Rock Valley College**

ENG 103	Composition II	3.0
MTH 235	Calculus with Analytic Geometry II	4.0
PHY 215	Mechanics, Wave Motion, Thermodynamics	5.0
Elective	Humanities	3.0
SPH 131	Fundamentals of Communication	3.0
		<b>18.0</b>

**SEMESTER 3 - Rock Valley College**

CIS 276	Intro to C/C++ Programming	4.0
MTH 236	Calculus with Analytic Geometry III	4.0
PHY 225	Electric, Magnetism, Light, Modern Phys	5.0
Elective	AES Engineering Elective	4.0
		<b>17.0</b>

**SEMESTER 4 - Rock Valley College**

MTH 240	Differential Equations	5.0
Elective	Fine Arts	3.0
Elective	AES Engineering Elective	4.0
Elective	AES Engineering Elective	3.0
		<b>15.0</b>

**SEMESTER 5 - SIU**

Elective	Social Science	3.0
Elective	Multicultural	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	Multicultural	3.0
IMAE 390	Cost Estimating	3.0
IMAE 442	Fundamentals of Leadership	3.0
Elective	IMAE Elective, 300-400 Level	3.0
		<b>15.0</b>

**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
		<b>15.0</b>

**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
		<b>15.0</b>

**TOTAL HOURS:                    125.0**