



**B.S. Industrial Management & Applied Engineering, Southern Illinois University Carbondale**  
**McHenry County College Associate of Applied Science-Engineering Technology- Industrial Option (A.A.S.)**

Year One – Semester I (15 S.H.)	
MCC	SIUC
IMT 104 Blueprint Reading for Manufacturing (3)	IMAE Elective
IMT 105 Introduction to Manual Machining (3)	IMAE100 Elective
AET 151 Computer Aided Design Graphics (3)	Elective
MAT165 College Algebra w/ Trigonometry (5)*	MATH 111 Precalculus
MCC 101 College Experience (1)	General 100-Level Elective

Year One – Semester II (12 S.H.)	
MCC	SIUC
SPE151 Introduction to Speech (3)	CMST101 Intro to Oral Communication
IMT 106 CNC Programming I (3)	IMAE100 Elective
IMT 121 Quality Practices & Management (3)	General 100-Level Elective
AET/IMT/WLD Elective (3)	General Elective

Year One – Semester III (10 S.H.)	
MCC	SIUC
Elective: AET 158 Geometric Tolerancing (3)	IMAE 110 Geom. Dimensioning and Tolerancing
ENG151 Composition I (3)	ENGL101 English Composition I
BIO 157 Biology w/ Lab IAI Life Science*(4)	IAI General Education

\*Suggested course for Life Science w/ lab: BIO 157

Year Two – Semester I (16 S.H.)	
MCC	SIUC
IMT 140 Electrical I (3)	Elective
IMT102 Manufacturing Processes (3)	IMAE208 Fundamentals of Manufacturing Processes
IMT 210 Continuous Improvement Practices (3)	IMAE 200-level Elective
IMT 103 Materials of Industry (3)	IMAE100 Elective
PHY 280 General Physics I (4)*	PHYS 203/253A College Physics/Lab

Year Two – Semester II (16 S.H.)	
MCC	SIUC
AET 171 Parametric Modeling Solidworks I (3)	Elective
IMT 117 Supply Chain Management (3)	Elective
IMT 215 Supply Chain Management II (3)	IMAE 200-level Elective
IAI Social/Behavioral Science: SOC 151 Intro to Sociology (3)	IAI General Education
PHY 281 General Physics II (4)*	PHYS 203/253B College Physics/Lab

Year Two – Semester III (6 S.H.)	
MCC	SIUC
AET 261 Tech Portfolio Design (3)	Elective
IAI Fine Arts: ART 151 Art Appreciation (3)	IAI General Education
<b>Total Semester Hours Completed after Year 2</b>	<b>75 Semester Hours</b>

\*It is highly recommended that students take PHY 280/281 shortly after completion of MAT165

Disclaimer: You are encouraged to use this transfer guide when planning your progress towards degree completion. Following a transfer guide does not guarantee admission into the listed program. Information was updated 2/2024; however, any curriculum changes reflected in the Undergraduate Catalog override the information on this guide. Contact your MCC Academic Advisor for assistance in interpreting this guide.



**B.S. Industrial Management & Applied Engineering**  
**Year Three suggestions (Fall, Spring, Summer)**

SIUC Course Number	SIUC Course Title	Semester Hours
IMAE 305	Industrial Safety	3
IMAE 445	Computer Integrated Manufacturing	3
IMAE 470A	Six Sigma Green Belt I	3
IMAE 470B	Six Sigma Green Belt II	3
IMAE 465	Lean Manufacturing	3
IMAE 375	Production and Inventory Management	3
IMAE 450	Project Management	3
Humanities Elective	<b>Taken at MCC</b>	<b>3</b>
Social Science Elective (different area than SOC)	<b>Taken at MCC</b>	<b>3</b>
<b>Total Year 3 Semester Hours</b>		<b>27</b>

**Year Four Suggestions (Fall, Spring, Summer)**

IMAE 392/494C	Facilities Planning & Workplace Design/ Applied Project-Materials Handling and Plant Layout	4
IMAE 340	Introduction to Supervision	3
IMAE 442	Fundamentals of Leadership	3
IMAE 476/494f	Supply Chain Management/Applied Project Supply Chain Operations	4
IMAE 390/494b	Cost Estimating/Applied Project Cost Estimating	4
IMAE 307	Applied Calculus	3
Multicultural Elective	<b>Taken at MCC</b>	<b>3</b>
<b>Total Year 4 Semester Hours</b>		<b>24</b>
<b>Total Semester Hours Completed at SIUC</b>		<b>42</b>
<b>Total Semester Hours Completed at MCC</b>		<b>84</b>
<b>Total Semester Hours for B.S. Degree</b>		<b>126</b>