



B.S. Industrial Management & Applied Engineering, Southern Illinois University Carbondale

McHenry County College Associate of Applied Science- Industrial Management and Technology (A.A.S.)

Year One – Semester I (15 S.H.)	
MCC	SIUC
IMT 104 Blueprint Reading for Manufacturing (3)	IMAE Elective
IMT 116 Industrial Safety Management (3)	IMAE 305 Industrial Safety
MAT165 College Algebra w/ Trigonometry (5)*	MATH 111 Precalculus
MCC 101 College Experience (1)	General 100-Level Elective
IMT Program Elective (3)	Elective

Year One – Semester II (12 S.H.)	
MCC	SIUC
IMT 110 Supervisory Responsibility (3)	General 100-Level Elective
SPE151 Introduction to Speech (3)	CMST101 Intro to Oral Communication
IMT 121 Quality Practices & Management (3)	General 100-Level Elective
IMT Program Elective (3)	Elective

Year One – Semester III (10 S.H.)	
MCC	SIUC
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
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
IMT Program Elective (3)	Elective
PHY 280 General Physics I (4)*	PHYS 203/253A College Physics/Lab

Year Two – Semester II (16 S.H.)	
MCC	SIUC
IMT 117 Supply Chain Management (3)	General 100-Level Elective
IMT 215 Supply Chain Management II (3)	IMAE 200-level Elective
IMT 135 Maintenance Management (3)	General 100-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)	General 200-Level Elective
IAI Fine Arts: ART 151 Art Appreciation (3)	IAI General Education
Total Semester Hours Completed after Year 2	75 Semester Hours

*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 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
IMAE 455 or other 300/400 level course	Industrial Robotics OR other 300/400 Level Course	3
Humanities Elective	Taken at MCC	3
Social Science Elective (different area than SOC)	Taken at MCC	3
Total Year 3 Semester Hours		27

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	Taken at MCC	3
Total Year 4 Semester Hours		24
Total Semester Hours Completed at SIUC		42
Total Semester Hours Completed at MCC		84
Total Semester Hours for B.S. Degree		126