



# Industrial Technology and Management, B.A.S.

## Macomb Community College

### Degree Plan and Progress

Name:  
SID:  
Date:

**Admission Requirements:**

1. Minimum credits for admission into the degree program will require at least 48 transferable credits or an Associate Degree. In certain circumstances, individuals may be admitted into the program without prior earned credit at the discretion of the Dean. In addition, students should anticipate being enrolled concurrently at FSU and Macomb Community College.
2. A 2.5 overall GPA is required for admission.
3. All official college transcripts must be submitted at time of application for admission.
4. **To be considered for financial aid from Ferris, students must have earned 48 transferable semester hours or an associate degree and enroll in at least six credit hours each semester.**

**Graduation Requirements:**

1. To graduate, students must have a 2.0 CUMULATIVE GPA in all FSU courses and a 2.75 in the Concentration and Core (FSU courses).
2. At least 30 FSU semester hours must be completed to fulfill FSU residency requirements.
3. Students must meet the University General Education Hours requirements listed on page 2.
4. 125 credit hours are required for graduation.

Required Courses	Course Title	FSU Prerequisites Shown in Parentheses ( )	Internet Course?	Macomb CC Equivalent Courses	FSU S.H.	Grade
1st Year Courses	APPS 301	Project Management (Jr. standing)		QUAL 2400	3	
	APPS 305	Introduction to 3-D Modeling & Prototyping		See Advisor	3	
	MGMT301	Principles of Management		MGMT 1010	3	
	MFGE 352	Design for Manufacturing		FSU class	2	
1st or 2nd Year Courses	APPS 350	Automation Technologies and Management		FSU class	3	
	APPS 351	Production Flow and Plant Layout		FSU class	3	
	APPS 401	Contemporary Issues in Industrial Management	Yes	FSU class	3	
	CAHS 330	OSHA Laws and Regulations	Yes	FSU class	2	
2nd Year Courses	MFGE 341	Quality Science Statistics (MATH 116)		FSU class	3	
	MFGE 423	Engineering Economics (MATH 116)		FSU class	2	
	MGMT 370	Quality Operations Management (Soph. standing)	Yes	FSU class	3	
Final Year Courses	APPS 420	Manufacturing Certification and Standardization (APPS 301, APPS 350)	Mixed	FSU class	3	
	APPS 450	Manufacturing Improvement Management (APPS 351, APPS 401, MFGE 341)	Mixed	FSU class	3	
	APPS 499	Sr. Project Capstone (MFGE 352, MFGE 423, ENGL 311 or 325, MGMT 370)	Mixed	FSU class	2	

**Total Concentration & Core Hours Required: 38**

**Related Electives – Manufacturing, Industrial or Business Related Topics**

1. Credits may be fulfilled from courses within Macomb Community College Technology or Business program codes (prefixes: ACCT, ATBC, ATDD, ATEE, ATEM, ATFP, ATMT, ATPP, ATRA, ATSS, ATTR, ATWD, AUTO, BCOM, BUSN, CIVL, CLTC, CORE, DRAD, DRAS, DRBP, DRCG, DRSM, DRST, DRTF, DRVD, ECON, EETE, ELEC, ENGR, ENVS, INDT, ISUM, ITBS, ITCS, LMG, MFGE, MGMT, MKTG, PRDE, QUAL, RNEW, ROBO, WKBL)
2. Credits may be transferred from any accredited college, university or approved technical school

Course	School	Credits	Course	School	Credits	Course	School	Credits
Subtotal			Subtotal			Total Credits		

**Minimum Related Electives: 36**

**Free Electives**

<b>Free Electives: 5</b>								
<b>Subtotal Credits: 79</b>								

