



Industrial Technology and Management, B.A.S.

Lansing Community College Transfer Plan
10/14/2009

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 may be enrolled concurrently at FSU and Lansing 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 an associate degree or 48 transferable semester hours and take 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.
4. There must be a minimum of 40 total credit hours at the 300 or 400 level.
5. 125 credit hours are required for graduation.

NOTE: As of October 2009, this program is not available on the campus of Lansing Community College. Courses offered from Ferris State University can be taken in Grand Rapids, Warren or via the Internet.

Industrial Technology and Management Concentration, Core and Related Electives Requirements

Required Courses	Course Title FSU Prerequisites Shown in Parentheses ()	Internet Course?	Lansing CC Equivalent Courses	FSU S.H.	Grade			
1 st Year Courses	APPS 301	Project Management (Jr. standing)		FSU class	3			
	APPS 305	Introduction to 3-D Modeling & Prototyping		See Advisor	(4)			
	MGMT301	Principles of Management		See Advisor	3			
	MFGE 352	Design for Manufacturing		FSU class	2			
1 st or 2 nd 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			
2 nd 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: 39								
Related Electives – Manufacturing, Industrial or Business Related Topics								
1. Credits may be fulfilled from courses within Lansing Community College Technology or Business program codes – see advisor for relevant options.								
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: 39								
Free Electives								
Free Electives: 2								
Subtotal Credits: 80								

Required Courses	Course Title	Pre-Requisite	Lansing CC Equiv Courses	Cr Hr	Substitution or Equivalent	Cr. Hr.	Gr
Communication Competence—12 Semester Hours Required							
COMM 121 or COMM 251	Fundamentals of Public Speaking or Argumentation and Debate	Reading 5 & Writing 6	SPCH110 or SPCH120 or SPCH130	3			
ENGL 150	English 1	Reading 5 & Writing 6	WRIT121 or WRIT131	4			
ENGL 250 or ENGL 211	English 2 or Industrial & Career Writing	WRIT121	WRIT122 or WRIT132	4			
ENGL 311 or ENGL325	Advanced Technical Writing or Advanced Business Writing	FSU ENGL250 equiv	FSU class	3			
Scientific Understanding—7 Semester Hours Required							
At least one course must be a lab science (<i>PHYS 211 is required for the BAS major</i>)							
• Select any approved science course from the following subject areas: Biology, Chemistry, Geology, Physics							
PHYS 211	Introduction to Physics 1	Reading 5 & Writing 6 & Math 9	PHYS221	4			
Scientific Understanding	Lab or Non-Lab Science		LCC	3-4			
Quantitative Skills—4 Semester Hours Required							
MATH 126	Algebra and Analytic Trigonometry	MATH112	MATH121 and 122 or MATH126 or higher	4 3			
Cultural Enrichment—9 Semester Hours Required							
Elective Cultural Enrichment			LCC	3			
Elective Cultural Enrichment			LCC	3			
200-level Elective			LCC	3			
Social Awareness—9 Semester Hours Required							
PSYC 150	Introductory Psychology	Reading level 5	PSYC200	4			
Elective Social Awareness	See notes below		LCC	3			
200 level Social Awareness	See notes below	Reading 5 & Writing 6	LCC	3			
						Total General Education Credits: 47	
						Total Credits: 127	

Notes on General Education categories and courses:

- **Quantitative Skills** (Mathematics) - This requirement can be met by completing the Pre-calculus CLEP examination. Discuss this option with the Program Advisor. Students may also choose to elect either MATH 121 & 122 OR MATH 126 from Lansing CC.
- **Cultural Enrichment** - Select approved courses from the following subject areas: Art History, Art, Foreign Languages, History, Humanities, Literature, Music, Philosophy (except for Logic), Religion, or Theatre. Criteria: One 3-credit course in this category must transfer at the 200 level or higher. Also, students must choose from two different subject areas.
- **Social Awareness** – Select approved courses from the following subject areas: Anthropology, Economics, Political Science, Sociology, Psychology, Geography. One 3-credit course in this category must transfer at the 200 level or higher. One course in this category should also meet the ‘Social Awareness Foundation’ course requirements of Ferris State University General Education.
- One of the courses elected in either Cultural Enrichment or Social Awareness must also meet the “**Global Consciousness**” requirement (G) of Ferris General Education. One of the courses elected in any category must meet the “**Race, Ethnicity and Gender Sensitivity**” requirement (REG) of Ferris General Education – this course is typically selected from options in the Social Awareness category. Students should consult their advisor for verification of course selection for these requirements.
- The General Education distribution is a required element of any bachelor’s degree program regardless of institution – students should anticipate completing all the listed requirements.
- Specific Equivalencies and general education designators for courses transferred from Community Colleges state-wide can be explored and referenced at the following link:

www.ferris.edu/admissions/Transfer/WebPages/homepage1.cfm

Approved by: _____ <div style="display: flex; justify-content: space-between; width: 100%;"> Program Advisor Date </div>	Approved by: _____ <div style="display: flex; justify-content: space-between; width: 100%;"> Program Coordinator Date </div>
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