



FERRIS STATE UNIVERSITY

Industrial Technology and Management, B.A.S.

LAMBTON COLLEGE

Articulation Guide **8-15-06**

Admission Requirements:

1. Minimum credits for admission into the degree program will require at least 56 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 St. Clair County Community College.
2. A 2.5 overall GPA and 2.5 in mathematics courses is required for admission.
3. All official college transcripts must be submitted at time of application for admission.
4. **International Students application requirements can be found at:** www.ferris.edu/international

Graduation Requirements:

1. To graduate, students must have a 2.0 CUMULATIVE GPA in all FSU courses, a 2.50 GPA in the Math 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.

Required Courses	Course Title	Prerequisites	Equivalent Courses	FSU S.H.	Class Taken	Credits	Grade	
Concentration Requirements								
APPS 305	Introduction to 3D Model Prototyping	FSU MFGE313 or SC4 DR160	SC4 DR163	3				
APPS 350	Automation, Electrical and Mechanical Design		FSU Class	3				
APPS 351	Production Flow and Plant Layout		FSU Class	3				
APPS 401	Contemporary Issues in Industrial Management		FSU Class	3				
APPS 450	Manufacturing Improvement Management		FSU Class	3				
EHSM 330	OSHA Laws & Regulations		FSU Class	2				
MFGE 341	Quality Science Statistics	Lambton MTH110	FSU Class	3				
MFGE 352	Design for Manufacturing		FSU Class	2				
MFGE 423	Engineering Economics	Lambton MTH210	FSU Class	2				
MGMT 370	Quality/Operations Management	FSU MFGE341	Lambton MAN103 or Ferris Class	3				
Total Concentration Hours Required: 27								
Core Requirements								
APPS 301	Project Management		FSU Class	3				
APPS 499	Capstone Course		FSU Class	2				
APPS 420	Manufacturing Certification and Standardization		FSU Class	3				
MGMT 301	Applied Management		Lambton MAN100	3				
Total Core Hours Required: 11								
Related Electives (Manufacturing or Business Related Courses – excluding Math)								
1. Credits may be from Lambton course prefixes: ACC, CET, CMP, CPL, CPT, CTR, DTP, EHS, ELE, ENV, FBR, FIN, HRM, ICS, IHT, IMT, INT, ITS, MAN,								
2. Credits may be transferred from any accredited college or university.								
Course	From	Credits	Course	From	Credits	Course	From	Credits
Total Related Electives Required: 36								
Free Electives								
Free Electives: 8								
Subtotal Credits: 82								

Note: Students must take either MGMT370 or ENGL311 from Ferris (in addition to all classes listed as Ferris classes) to maintain residency requirements.

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General Education Requirements

Fall 2006

- ✓ In the following General Education categories one course may meet more than one general education requirement:
Cultural Enrichment, Social Awareness, Global Consciousness, and Race-Ethnicity-Gender (REG)

Required Courses	Course Title	Prerequisite	Equivalent Courses	FSU S.H.	Course Taken	Credits	Grade
Communication Competence—12 Semester Hours Required							
COMM 121 or COMM 251	Fundamentals of Public Speaking or Argumentation and Debate		Lambton ENG311	3			
ENGL 150	English 1		Lambton ENG111	3			
ENGL 250 or ENGL 211	English 2 or Industrial & Career Writing	ENGL150	Lambton ENG211	3			
ENGL 311, ENGL321, or ENGL325	Advanced Technical Writing, Advanced Composition, or Advanced Business Writing	ENGL250 or ENGL211	FSU class or Lambton ENG416	3			
Scientific Understanding—7 Semester Hours Required							
<ul style="list-style-type: none"> 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: <i>Biology, Chemistry, Geology, Physical Science, Physics, OHA104</i> 							
PHYS 211	Introduction to Physics 1	MTH110	Lambton PHY210	6			
Scientific Understanding	Lab or Non-Lab Science		Lambton or SC4	3-4			
Quantitative Skills—4 Semester Hours Required							
<ul style="list-style-type: none"> This requirement can be met as follows: <i>Complete the Lambton courses listed below, or show math credit that is higher than FSU MATH 126, or pass the College Algebra and Trigonometry CLEP exam.</i> The Intermediate Algebra portion of the MATH 126 requirement can be met as follows: <i>(1) pass the CLEP College Algebra exam, or (2) present an ACT Math subtest score of 24 or higher.</i> <i>Discuss these options with an FSU Program Advisor</i> 							
MATH 126	Algebra and Analytic Trigonometry	MTH110	Lambton MTH210	5			
Cultural Enrichment—9 Semester Hours Required							
<ul style="list-style-type: none"> One course must be 200-level or higher (<i>SC4 or Lambton course that transfers to Ferris at 200-level or higher</i>) No more than 5 credits in Studio Art, Theatre, and/or Music courses will be applied to meeting this requirement Select approved courses to meet "Cultural Enrichment" requirements from the following subject areas: <i>Art, Foreign Language, History, Music, Theatre Arts, Literature</i> 							
Cultural Enrichment	100- or 200-level classes		Lambton or SC4	3			
Cultural Enrichment	100- or 200-level classes		Lambton or SC4	3			
Cultural Enrichment	200-Level		Lambton or SC4	3			
Social Awareness—9 Semester Hours Required							
<ul style="list-style-type: none"> Complete three approved courses in at least two different subject areas (<i>PSYC 150 is required for the BAS major</i>) Select one course from Social Awareness electives: ANT100, ANT200*, PSY103, PSY111, PSY120, PSY300, PSY310, POL100, POL110, POL120, POL200 (<i>*ANT200 also meets Global Consciousness requirement</i>) One course is required to be a the 200- level or higher at Ferris: Lambton PSY300, PSY310, or POL120, or ask for a list of SC4 classes that meet this requirement. 							
PSYC 150	Introduction to Psychology		Lambton PSY100	4			
200-level Social Awareness Class	Select one course from list above		Lambton or SC4	3			
Social Awareness	Select one course from list above.		Lambton or SC4	3			
Global Consciousness							
One course required. Meet with an advisor to determine the courses that meet this requirement.							
Global Consciousness				--			
Race, Ethnicity and/or Gender							
One course required. This requirement is met through the program requirement of PSY 100							
PSYC150	Introduction to Psychology		PSY 100	--			
						Total 43 General Education Credit Hours	
						Total credits required: 125	

Approved by: _____ Date _____ Approved by: _____ Date _____
 Program Advisor Date Program Coordinator Date

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