

Macomb Community College: Associate of Applied Science (AAS) Technology <i>or</i> Associate of Business Administration (ABA)	Ferris State University: Bachelor of Applied Science (BAS) Industrial Technology & Management
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Macomb Courwork – Before Transfer:

Program Core Requirements:	46+ HRS
MGMT 1010: Principles of Management	3
MKTG 1010: Principles of Marketing	3
Meet with a FSU advisor for course planning and selection from below Business and Technology areas:	40+
ACCT: Accounting	ATAP: Advanced Processes
ATBC: Building, Construction & Maintenance	ATDD: Drafting and Design
ATEM: Electro-Mechanical	ATFP: Fluid Power Technology
ATPP: Plumbing & Pipefitting	ATQT: Applied Technology Quality
ATSS: Stationary Steam	ATWD: Welding
AUTO: Automotive Technology	BCOM: Business Communications
BUSN: Business	CIVL: Civil Technology
CLCT: Climate Control Technology	CORE: Mechanical Technology
DRAD: Drafting – Architectural	DRCG: Drafting & Computer Graphics
ECON: Economics	ELEC: Electronic Technology
ENGR: Pre-Engineering	ITBS: Business Information Systems
ITCS: Computer Information Systems	MECT: Automated Systems – Mechatronics
MGMT: Management	PRDE: Product Development
RNEW: Renewable Energy	ROBO: Robotics
General Education Options:	37-48 HRS
1. Students who complete a Michigan Transfer Agreement (MTA or MACRAO) will satisfy most General Education requirements. See a Macomb academic advisor or counselor for specific MTA courses and requirements or visit: macomb.edu/transfer .	
2. Or complete the following required outlined Macomb-Ferris general education requirements:	
1. Speech Communications --1 course: SPCH 1060: Speech Communication	3
2. Communications or Composition-- 2 courses: ENGL 1180: Communications 1 <i>or</i> ENGL 1210: Composition 1 ENGL 1190: Communications 2 <i>or</i> ENGL 1220: Composition 2	6-8
3. Cultural -- 9 credit hours from 2-3 different subject areas: ARAB 1260, 1270; any CHIN; any FREN; any GRMN; ITAL 1260, 1270; SIGN 1010, 1020, 1030; any SPAN (except SPAN-1265); any ARTT; ENGL-1730 or any higher level ENGL course (except ENGL-2855); HIST; HUMN; MUSC; or PHIL (Note: No more than 5 credit hours in Studio Art and Music may be applied to this area; HUMN 1300 will transfer as a Theater course; 3 credits must transfer as a FSU 200-level or higher course). Meet with a FSU advisor for course planning.	9
4. Mathematics – 2-3 courses: MATH 1000: Intermediate Algebra <i>or Show Competency</i> Complete 1 group (A or B): A: MATH 1415: Precalculus I: College Algebra <i>and</i> MATH 1435: Precalculus II: College Trigonometry B: MATH 1465: Accelerated Precalculus	4-11
5. Natural Sciences – 2 courses: PHYS 1180: College Physics 1 <u>And one additional course:</u> ASTR; BIOL(<i>except BIOL 1400</i>);CHEM (<i>except CHEM 1060,2260,2270,2280</i>);ENVS;ESCI;GEOL; or PHSA	6-8
6. Self and Society -- 9 credit hours from 2-3 different subject areas: any ANTH (except ANTH 1100, 1200, 2280); ECON 1170; any GEOG; any INTL (Note: INTL 2300=4crds Cultural; all additional INTL courses= 2 crds Cultural & 2crds Self &Society); any POLS (except POLS 1700), any PSYC (except PSYC 2170,2300,2750,2760,2850); or any SOCY (except SOCY 2550). (Note: Most INTL courses will transfer as 2 credit hours in Cultural and 2 credit hours in Self and Society; 3 credits must transfer as a FSU 200-level or higher course). Meet with a FSU advisor or counselor for course planning.	9

Ferris State University -- After Transfer:

Major Requirements:	36 HRS
ENGL 311: Advanced Technical Writing; <i>or</i> ENGL 325: Advanced Business Writing; <i>or</i> ENGL 321: Advanced Composition	3
PROJ 320: Project Management Fundamentals	3
MFGE 352: Design for Manufacturing	2
APPS 350: Automation & Technology Management	3
APPS 351: Production Flow & Plant Layout	3
APPS 401: Contemporary Issues in Industrial Management	3
COHP 330: OSHA Laws and Regulations	2
MFGE 341: Quality Science Statistics	3
MFGE 423: Engineering Economics	2
MGMT 370: Quality Operations Management	3
APPS 420: Manufacturing Certification and Standardization	3
APPS 450: Manufacturing Improvement Management	3
APPS 499: Senior Project Capstone	3

Maximum credits at Macomb = 90

Minimum credits at Ferris State University = 36

Minimum credits for the Bachelor of Applied Science in Industrial Technology & Management = 126

Important Information:

- All content is for informational purposes and is designed to be used as a tool to assist students with transfer information but should not be used for self-advising.
- Associate degree requirements are NOT included on this transfer guide. When pursuing a Macomb degree work closely with a Macomb and FSU advisor or counselor to ensure BOTH Macomb and FSU degree requirements are being met.
- Unless otherwise noted, a minimum cumulative 2.5 GPA or better is required with all course grades C or better.
- Transfer credit limits vary by each transfer college and major. This transfer guide may contain more than the maximum number of allowable transfer credits FSU will accept.
- Macomb and FSU reserve the right to make any necessary changes to courses, provisions, or transfer requirements without notice.
- It is the responsibility of the student to be aware of changes that affect their transfer program. Students are strongly encouraged to contact FSU on an annual basis to review their program requirements.
- Students may concurrently be enrolled and taking courses at both Macomb and FSU during the same semester after completing the minimum requirements for FSU. Meet with a FSU advisor for additional information.
- If you decide to transfer before graduating from Macomb, you may be eligible to earn your associate degree after the fact. Meet with a Macomb academic advisor or counselor for information, or visit: www.macomb.edu/transfer.
- For further FSU program information please contact, 586.263.6773 or 586.445.7150, or visit: [Macomb University Center - Ferris State University](#) . To schedule an appointment with an advisor, visit: [Ferris State University Schedule Now](#).