

TRANSFER GUIDE: MORAIN VALLEY CC TO ILLINOIS INSTITUTE OF TECHNOLOGY

AAS in Integrated Systems Technology (IST) (1403) -to- BAC in Industrial Technology and Management (BINTM)

Moraine Valley Community College students can expand their career options and professional abilities by transferring into the Bachelor of Industrial Technology and Management (INTM) program at Illinois Tech. The INTM program is designed to broaden students' knowledge of how to manage operations, resources, and technology within an industrial organization. This transfer guide outlines curriculum for both programs and identifies how MVCC's coursework aligns with INTM admission/degree requirements (see page 2). Courses must be graded 'C' or better in order to transfer, and a maximum of 68 hours can be accepted from a 2-year institution.

MVCC IST Required Coursework	Transfers to Illinois Tech as...
<u>Communications: 2 courses (6 credits)</u>	
COM 101 Composition I (3)	Communications/COM 101 (Writing Proficiency)
COM 103 Speech Fundamentals (3)	--
<u>Mathematics: 1 course (2 credits)</u>	
MTH 133 Math for Industry (2)	Math
<u>Physical or Life Sciences: 1 course (4 credits)</u>	
Choose one: BIO, CHM, EAS, GEL, NAT, PHS or PHY	Natural Science; BIO or CHM recommended
<u>Humanities or Social/Behavioral Sciences</u>	
Choose one: ANT, ECO, GEO, HIS, PSC, PSY, SOC, SSC, HUM, LIT, PHI	Humanities/Social Science elective
See https://web.iit.edu/ugaa/mvcc-industrial-technology-and-management	<i>Note: PHI 110, PHI 111, ECO 100 do not transfer</i>
<u>IST Required Career Courses: 15 courses (42 credits)</u>	
ELT 101 Electricity and Electronics (3)	Natural Science (Physics)
ELT 102 Digital Logic/Solid State Devices (3)	Technical coursework
ELT 112 Computers for Industry (1)	Technical coursework
ELT 201 Industrial Controls (3)	Technical coursework
ELT 202 Advanced Industrial Controls (3)	Technical coursework
ELT 211 Introduction to PLCs (3)	Computer Science
ELT 222 Advanced PLCs (3)	Technical coursework
IMM 101 Mechanical Systems I (3)	Technical coursework
IMM 103 Machinery Moving and Set-Up (2)	Technical coursework
IMM 107 Mechanical Systems II (3)	Technical coursework
IMM 120 Fluid Power I: Basic Circuits (3)	Natural Science (Physics)
IMM 220 Fluid Power II: Intermediate System (3)	Technical coursework
IST 109 Prints for Industry (3)	Natural Science/Engineering (Engineering Graphics)
WLD 111 Basic Arc/Gas Welding I (3)	Technical coursework
WLD 113 Basic Metallurgy and Materials (3)	Technical coursework
<u>IST Electives: 1-2 courses (3 credits)</u>	
Choose from: ELT, HAC, IMM, LAN, MDT, MIS, WLD	Technical coursework

TOTAL CREDITS REQUIRED FOR MVCC AAS IN IST: 60

Additional course(s) required for transfer to IIT: 3 courses

Courses below are required to fulfill IIT General Education/Core Curriculum requirements. Equivalent coursework completed at another institution may satisfy this requirement. Students with college credit over and above that taken for MVCC's AAS in IST should consult with INTM at IIT before taking additional courses.

- MATH (4 credits): MTH 139 Probability and Statistics (recommended)
- HUMANITIES (3 credits): Select one course from HIS, HUM, LIT or PHI (not PHI 110 or 111)
- SOCIAL SCIENCE (3 credits): Select one course from ANT, ECO, GEO, PSC, PSY, SOC, SSC

INTM Admission Requirements: 60 credits	Satisfied by MVCC IST Coursework
Technical Coursework: 31 credits Mathematics: 5-6 credits Natural Science/Engineering: 10-11 credits Computer Science: 3 credits Humanities/Social Sciences: 9 credits	IST Major/Career & Elective Courses Two MTH courses as identified above ELT 101, IMM 120 + one BIO or CHM course ELT 211 1 HUM, 1 SOC SCI + 1 HUM or SOC SCI (as indicated above)

Illinois Tech/INTM Coursework

Core Curriculum: 45 credits	
INTM 301 Communications for the Workplace (3)	Humanities (6 credits): Two (2) 300- or 400-level courses (choose from HIST, HUM, PHIL or LIT)
INTM 315 Industrial Enterprises (3)	
INTM 322 Industrial Project Management (3)	Social Science (6 credits): Two (2) 300- or 400-level courses (choose from PSYC, PS, SOC or ECON)
INTM 404 Marketing, Sales and Product Introduction (3)	
INTM 408 Cost Management (3)	Interprofessional Project (IPRO) (6 credits)
INTM 410 Operations Management (3)	
INTM 425 Human Resource Management (3)	
INTM 441 Supply Chain Management (3)	
INTM 459 Issues in Industrial Sustainability (3)	

<u>INTM Technical and Specialization Electives (21 credits)</u>
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Select seven (7) courses from all electives listed below; each course earns 3 credits. Completing a specialization is optional. To earn a specialization, student must complete four (4) courses within an identified focus area.

General Technical Electives

INTM 314	Maintenance Technology and Management
INTM 319	Electronics in Industry
INTM 414	Topics in Industry
INTM 418	Industrial Risk Management
INTM 420	Applied Strategies for the Competitive Enterprise
INTM 427	E-Commerce in Marketing and Supply Chain Networks
INTM 477	Entrepreneurship in Industry

Specialization Electives

Construction Technology (CT)

INTM 407	Construction Technology
INTM 413	Contract Administration for Construction Projects
INTM 415	Advanced Project Management
INTM 417	Construction Estimating

Facilities Management (FM)

INTM 314	Maintenance Technology and Management
INTM 411	Functional Facilities Management
INTM 416	Integrated Facilities Management
INTM 423	Sustainable Facilities Operations

Industrial Sustainability (ST)

INTM 423	Sustainable Facilities Operations
INTM 460	Sustainability of Critical Materials
INTM 461	Energy Options in Industry
INTM 462	Special Topics in Industry

Manufacturing Technology (MT)

INTM 406	Quality Control
INTM 412	Mfg Processes for Metals/Mechanical Systems
INTM 431	Mfg Processes for Electronics/Electrical Systems
INTM 433	Chemical Processes in Industry
INTM 435	Performance Management in Food Operations
INTM 446	Manufacturing and Logistics Info Systems

Supply Chain Management (SCM)

INTM 409	Inventory Control
INTM 427	E-Commerce in Marketing and Supply Chain Networks
INTM 430	Transportation
INTM 442	Warehousing and Distribution
INTM 443	Purchasing
INTM 444	Export/Import
INTM 446	Manufacturing and Logistics Info Systems

TOTAL CREDITS TO BE COMPLETED AT ILLINOIS TECH*: 60-66

TOTAL CREDITS REQUIRED FOR BAC IN INDUSTRIAL TECHNOLOGY & MANAGEMENT: 126
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OVERALL CREDITS REQUIRED*: 135-136 (MVCC: 60>AAS + 9-10>Add'l Gen Ed + 60-66>IIT)

*Total credits required is based on amount and makeup of transfer credit from MVCC and any other educational institutions; all courses must be graded "C" or better to transfer. Consult with an IIT academic advisor.

FOR MORE INFORMATION...

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MVCC Academic Advising Center
708.974.5721
advising@morainevalley.edu
www.morainevalley.edu/academicadvising

IST Program Description: <http://morainevalley.smartcatalogiq.com/en/2018-2019/Catalog/Career-Programs/Integrated-Systems-Technology/Integrated-System>
MVCC Application Procedures: <https://www.morainevalley.edu/admissions/>

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School of
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IIT Office of Undergraduate Admissions
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<http://admissions.iit.edu/undergraduate/>

INTM Website: <http://appliedtech.iit.edu/intm>

INTM Program Description: <http://appliedtech.iit.edu/industrial-technology-and-management/programs>

INTM General Transfer Guidelines: http://appliedtech.iit.edu/sites/sat/files/elements/INTM/pdfs/INTM_CC_Transfer_Guidelines.pdf

INTM Admission: <http://appliedtech.iit.edu/industrial-technology-and-management/admissions/undergraduate-admission>

IIT/INTM Scholarship Information: <http://appliedtech.iit.edu/industrial-technology-and-management/admissions/scholarship>

IIT Online Application for Transfer Students: <https://admissions.iit.edu/undergraduate/apply/transfer-applications>