

## TRANSFER GUIDE: MORAIN VALLEY CC TO ILLINOIS INSTITUTE OF TECHNOLOGY

### AAS in Electronic/Computer Controls Tech (ECCT) (1281) -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 ECCT Required Coursework	Transfers to Illinois Tech as...
<b><u>Communications: 2 courses (6 credits)</u></b>	
COM 101      Composition I (3)	Communications/COM 101 (Writing Proficiency)
COM 103      Speech Fundamentals (3)	--
<b><u>Mathematics: 1 course (2 credits)</u></b>	
MTH 133      Math for Industry (2)	Math
<b><u>Physical or Life Sciences: 1 course (4 credits)</u></b>	
Choose one:    BIO, CHM, EAS, GEL, NAT, PHS or PHY	Natural Science; BIO or CHM recommended
<b><u>Humanities or Social/Behavioral Sciences</u></b>	
Choose one:    ANT, ECO, GEO, HIS, PSC, PSY, SOC, SSC, HUM, LIT, PHI	Humanities/Social Science elective
See <a href="https://web.iit.edu/ugaa/mvcc-industrial-technology-and-management">https://web.iit.edu/ugaa/mvcc-industrial-technology-and-management</a>	<i>Note: PHI 110, PHI 111, ECO 100 do not transfer</i>
<b><u>ECCT Required Career Courses: 14 courses (40 credits)</u></b>	
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 120      Fluid Power I: Basic Circuits (3)	Natural Science (Physics)
IMM 220      Fluid Power II: Intermediate System (3)	Technical coursework
LAN 102      Voice and Data Cabling (3)	Technical coursework
LAN 111      IT Essentials – A+ (3)	Technical coursework
LAN 112      Managing IT – A+ (3)	Technical coursework
LAN 121      Network Essentials (3)	Technical coursework
<b><u>ECCT Electives: 2 courses (5 credits)</u></b>	
Choose from:    ELT, HAC, IMM, IST, LAN, MDT, MIS, WLD	Technical coursework

### TOTAL CREDITS REQUIRED FOR MVCC AAS IN ECCT: 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 ECCT 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 ECCT Coursework
<b>Technical Coursework: 31 credits</b> <b>Mathematics: 5-6 credits</b> <b>Natural Science/Engineering: 10-11 credits</b> <b>Computer Science: 3 credits</b> <b>Humanities/Social Sciences: 9 credits</b>	ECCT 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
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<b>Core Curriculum: 45 credits</b>	
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)	

**INTM Technical and Specialization Electives (21 credits)**

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

<b>TOTAL CREDITS TO BE COMPLETED AT ILLINOIS TECH*: 60-66</b>
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<b>TOTAL CREDITS REQUIRED FOR BAC IN INDUSTRIAL TECHNOLOGY &amp; MANAGEMENT: 126</b>
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<b>OVERALL CREDITS REQUIRED*: 135-136 (MVCC: 60&gt;AAS + 9-10&gt;Add'l Gen Ed + 60-66&gt;IIT)</b>
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\*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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**MORAIN VALLEY COMMUNITY COLLEGE**

9000 W. College Parkway  
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**MVCC Admissions Office**  
708.974.5355  
[admissions@morainevalley.edu](mailto:admissions@morainevalley.edu)

**MVCC Academic Advising Center**  
708.974.5721  
[advising@morainevalley.edu](mailto:advising@morainevalley.edu)  
[www.morainevalley.edu/academicadvising](http://www.morainevalley.edu/academicadvising)

**ECCT Program Description:** <http://morainevalley.smartcatalogiq.com/en/2018-2019/Catalog/Career-Programs/Electronic-Computer-Controls-Tech/Electronic-Computer-Controls-Tech-A-A-S>

**MVCC Application Procedures:** <https://www.morainevalley.edu/admissions/>

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**ILLINOIS INSTITUTE OF TECHNOLOGY**  
**Industrial Technology and Management**  
3424 S. State Street, Tech South 4001  
Chicago, IL 60616

School of  
Applied Technology   
ILLINOIS INSTITUTE OF TECHNOLOGY

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**IIT Office of Undergraduate Admissions**  
312.567.3025  
[admission@iit.edu](mailto:admission@iit.edu)  
<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](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>