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

**AAS in Stationary Engineer (STA ENG) (1329) -to- BAC in Industrial Technology and Management (BIINTM)**

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 MVC’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 STA ENG Required Coursework

<table>
<thead>
<tr>
<th>Communications: 2 courses (6 credits)</th>
<th>Transfers to Illinois Tech as...</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 101 Composition I (3)</td>
<td>Communications/COM 101 (Writing Proficiency)</td>
</tr>
<tr>
<td>COM 103 Speech Fundamentals (3)</td>
<td></td>
</tr>
</tbody>
</table>

### Mathematics: 1 course (3-4 credits)

<table>
<thead>
<tr>
<th>Choose one: MTH 120, MTH 139 or MTH 212</th>
<th>Math</th>
</tr>
</thead>
</table>

### Physical or Life Sciences: 1 course (4 credits)

<table>
<thead>
<tr>
<th>Choose one: BIO, CHM, EAS, GEL, NAT, PHS or PHY</th>
<th>Natural Science; BIO or CHM recommended</th>
</tr>
</thead>
</table>

### Social/Behavioral Sciences: 1 course (3 credits)

<table>
<thead>
<tr>
<th>Choose one: ANT, ECO, GEO, HIS, PSC, PSY, SOC, SSC</th>
<th>Social Science (ECO 100 does not transfer)</th>
</tr>
</thead>
</table>

### STA ENG Required Career Courses: 9 courses (36 credits)

<table>
<thead>
<tr>
<th>HAC 105 Air Conditioning Theory (3)</th>
<th>Natural Science (Physics)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAC 111 Introduction to Controls (4)</td>
<td>Natural Science (Physics)</td>
</tr>
<tr>
<td>HAC 115 Basic Service Procedures (4)</td>
<td>Technical coursework</td>
</tr>
<tr>
<td>HAC 140 Sheet Metal Hand Forming (4)</td>
<td>Technical coursework</td>
</tr>
<tr>
<td>HAC 150 Advanced Control Systems (4)</td>
<td>Technical coursework</td>
</tr>
<tr>
<td>HAC 154 Installation and Service (4)</td>
<td>Technical coursework</td>
</tr>
<tr>
<td>HAC 158 Introduction to Heating (4)</td>
<td>Technical coursework</td>
</tr>
<tr>
<td>HAC 180 Electronic Controls (5)</td>
<td>Technical coursework</td>
</tr>
<tr>
<td>HAC 240 HVAC Troubleshooting (5)</td>
<td>Technical coursework</td>
</tr>
</tbody>
</table>

### STA ENG Electives: 3 courses (9-10 credits)

<table>
<thead>
<tr>
<th>BUS 110 Legal Environment in Business (3)</th>
<th>Technical coursework</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 136 Business Law (3)</td>
<td>Technical coursework</td>
</tr>
<tr>
<td>BUS 226 Business Ethics (3)</td>
<td>Technical coursework</td>
</tr>
<tr>
<td>COM 102 Composition II (3)</td>
<td>Humanities</td>
</tr>
<tr>
<td>HAC 165 Sustainable Energy Practices (4)</td>
<td>Technical coursework</td>
</tr>
<tr>
<td>HIS 101 Western Civilization (3)</td>
<td>Humanities</td>
</tr>
<tr>
<td>HUM 135 African &amp; Middle Eastern Humanities (3)</td>
<td>Humanities</td>
</tr>
<tr>
<td>HUM 140 Asian &amp; Oceanic Humanities (3)</td>
<td>Humanities</td>
</tr>
<tr>
<td>HUM 145 Native American Humanities (3)</td>
<td>Humanities</td>
</tr>
<tr>
<td>IMS 115 Microsoft Office I (3)</td>
<td>Technical coursework</td>
</tr>
<tr>
<td>SOC 210 Minority Groups (3)</td>
<td>Social Science</td>
</tr>
<tr>
<td>TDL 102 Job Skills for Competitive Advantage (3)</td>
<td>Technical coursework</td>
</tr>
</tbody>
</table>

### TOTAL CREDITS REQUIRED FOR MVCC AAS IN STA ENG: 62

### Additional course(s) required for transfer to IIT: 2 or 3 courses (5-9 credits)

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 STA ENG should consult with INTM at IIT before taking additional courses.

- MATH (2-3 credits): MTH 122, 139 or higher Math
- COMPUTER SCIENCE (3 credits): ELT 211 or MIS 105
- HUMANITIES: Students who complete 6 credits of Humanities as STA ENG Electives will fulfill IIT’s lower-level requirements for Social Science and Humanities (9 credits total). Those completing only 3 credits of Humanities will need to take an additional HUM (HUM, HIS, LIT or PHI).
INTM Admission Requirements: 60 credits

<table>
<thead>
<tr>
<th>Technical Coursework: 31 credits</th>
<th>Satisfied by MVCC STA ENG Coursework</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics: 5-6 credits</td>
<td>STA ENG Major/Career &amp; Elective Courses</td>
</tr>
<tr>
<td>Natural Science/Engineering: 10-11 credits</td>
<td>Two MTH courses as identified above</td>
</tr>
<tr>
<td>Computer Science: 3 credits</td>
<td>HAC 105, HAC 111 + one Bio or CHM course</td>
</tr>
<tr>
<td>Humanities/Social Sciences: 9 credits</td>
<td>ELT 211 or MIS 105</td>
</tr>
</tbody>
</table>

**Illinois Tech/INTM Coursework**

**Core Curriculum: 45 credits**

- INTM 301 Communications for the Workplace (3)
- INTM 315 Industrial Enterprises (3)
- INTM 322 Industrial Project Management (3)
- INTM 404 Marketing, Sales and Product Introduction (3)
- INTM 408 Cost Management (3)
- 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.

**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

**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

**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

**Facilities Management (FM)**

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

**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

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

**TOTAL CREDITS REQUIRED FOR BAC IN INDUSTRIAL TECHNOLOGY & MANAGEMENT: 126**

**OVERALL CREDITS REQUIRED*: 133-137 (MVCC: 62>AAS + 5-9> 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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www.morainevalley.edu/academicadvising

MVCC Admissions Office
708.974.5355
admissions@morainevalley.edu

MVCC Application Procedures:  https://www.morainevalley.edu/admissions/

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IIT Office of Undergraduate Admissions
312.567.3025
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 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