Transfer Guide: MVCC to IIT
AAS Stationary Engineer (STA ENG) -to- BAC Industrial Technology and Management (INTM)

I. STA ENG GENERAL EDUCATION (17 credits)

Communications (6 credits)¹
- COM 101 Composition I (3)
- COM 103 Speech Fundamentals (3)

Mathematics (4 credits)²
- MTH 120 Quantitative Literacy (4) -or- MTH 139 Probability and Statistics (4)

Social Science (3 credits)
- One course from Section C, IIT-MVCC General Education Transfer Credits List:
  www.iit.edu/ugaa/transfer_credit/moraine_valley_community_college/itm.shtml

Science (4 credits)
- One course from Section E, IIT-MVCC General Education Transfer Credits List; CHEM 111 recommended.

II. STA ENG REQUIRED CAREER COURSES (37 credits) (transfers to IIT as 7 SCI + 30 TECH)

- HAC 105 Air Conditioning Theory (3)
- HAC 111 Introduction to Controls (4)
- HAC 115 Basic Service Procedures (4)
- HAC 140 Sheet Metal Hand Forming (4)
- HAC 150 Advanced Control Systems (4)
- HAC 154 Installation and Service (4)
- HAC 158 Introduction to Heating (4)
- HAC 180 Electronic Controls (5)
- HAC 240 HVAC Troubleshooting (5)

III. STA ENG ELECTIVES (9 credits) *IIT recommended courses: COM 102 and one course in HIS or HUM

- BUS 110 Legal Environment in Business (3)
- BUS 136 Business Law (3)
- BUS 226 Business Ethics (3)
- *COM 102 Composition II (3)
- HAC 165 Sustainable Energy Practices (4)
- HIS 101 Western Civilization I (3)
- HUM 135 African & Middle Eastern Humanities (3)
- HUM 140 Asian & Oceanic Humanities (3)
- HUM 145 Native American Humanities (3)
- IMS 115 Microsoft Office I (3)
- SOC 210 Minority Groups (3)

CREDIT HOURS REQUIRED FOR MVCC AAS IN ELECTRONIC/COMPUTER CONTROLS TECH: 62

IV. ADDITIONAL GENERAL EDUCATION COURSES *TO BE TAKEN AT MVCC OR IIT (11 credits)⁵

Math (2 credits): At MVCC, MTH 133 Math for Industry (2 credits) is recommended (see note 2).

Computer Science (3 credits): At MVCC, IMT 101 recommended, or MIS 105.

Social Science elective (3 credits): At MVCC, select one course from Section C, IIT-MVCC General Education Transfer Credits List. PSYC OR SOC recommended.

Humanities elective (3 credits): At MVCC, select one course from Section B, IIT-MVCC General Education Transfer Credits List.

*Equivalent coursework completed at another institution may qualify for transfer to IIT, potentially eliminating the need to take additional courses. Students with college credit over and above that taken for MVCC AAS in ELT should consult with INTM regarding additional requirements.

¹ COM 101 and COM 103 are required by MVCC. These courses satisfy IIT’s Writing Proficiency requirement, but do not count towards INTM degree requirements.
² A total of 6 credits in Math are required for the INTM degree; students may request to take MTH 133 Math for Industry (2 credits) and MTH 139 (4 credits).
³ May be applied as a Physics course to satisfy IIT General Education requirements for Science.
⁴ May be applied as a Humanities course to satisfy IIT General Education requirements.
⁵ A total of 12 hours in Social Science/Humanities at the 100- or 200-level are required for the INTM degree; at least 3 hrs, but no more than 6 hrs, must be in HUM.
V. INTM GENERAL EDUCATION (15 credits)

Humanities (6 credits): Two (2) 300 or 400 level courses; choose from HIST, PHIL, or LIT
Social Science (3 credits): One (1) course 300 or 400 level courses; choose from PSYC, PS, SOC, or ECON
Interprofessional Project (IPRO) (6 credits)

VI. INTM CORE COURSEWORK (27 credits)
All INTM courses below are 3 credits.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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</thead>
<tbody>
<tr>
<td>INTM 301</td>
<td>Communications for the Workplace</td>
</tr>
<tr>
<td>INTM 315</td>
<td>Industrial Enterprises</td>
</tr>
<tr>
<td>INTM 322</td>
<td>Industrial Project Management</td>
</tr>
<tr>
<td>INTM 404</td>
<td>Marketing, Sales and Product Introduction</td>
</tr>
<tr>
<td>INTM 408</td>
<td>Cost Management</td>
</tr>
<tr>
<td>INTM 409</td>
<td>Inventory Control</td>
</tr>
<tr>
<td>INTM 410</td>
<td>Operations Management</td>
</tr>
<tr>
<td>INTM 425</td>
<td>Human Resource Management</td>
</tr>
<tr>
<td>INTM 432</td>
<td>Sales and Operations Planning</td>
</tr>
</tbody>
</table>

VII. INTM TECHNICAL/SPECIALIZATION ELECTIVES (21 credits)
Select seven (7) courses from all courses listed below. Completing a specialization is optional. To obtain a specialization, student must complete four (4) courses within a single focus area. All courses are 3 credits.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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</thead>
<tbody>
<tr>
<td>INTM 314</td>
<td>Maintenance Technology and Management</td>
</tr>
<tr>
<td>INTM 319</td>
<td>Electronics in Industry</td>
</tr>
<tr>
<td>INTM 414</td>
<td>Topics in Industry</td>
</tr>
<tr>
<td>INTM 418</td>
<td>Industrial Risk Management</td>
</tr>
<tr>
<td>INTM 420</td>
<td>Applied Strategies for the Competitive Enterprise</td>
</tr>
<tr>
<td>INTM 427</td>
<td>E-Commerce</td>
</tr>
<tr>
<td>INTM 477</td>
<td>Entrepreneurship in Industry</td>
</tr>
</tbody>
</table>

Industrial Facilities (IF)
INTM 407    Construction Technology               
INTM 413    Facilities and Construction Administration
INTM 415    Advanced Project Management             
INTM 417    Construction Estimating                

Industrial Sustainability (ST)
INTM 459    Issues in Industrial Sustainability    
INTM 460    Sustainability of Critical Materials   
INTM 461    Energy Options in Industry             
INTM 462    Special Topics in Sustainability      

Manufacturing Technology (MT)
INTM 406    Quality Control                        
INTM 412    Mfg. Processes for Metals/Mechanical Systems
INTM 431    Mfg. Processes: Electronics/Electrical Systems
INTM 433    Manufacturing Processes in Chemical Industries
INTM 446    Manufacturing and Logistics Information Systems

Supply Chain Management (SCM)
INTM 430    Transportation                          
INTM 441    Supply Chain Management                 
INTM 442    Warehousing and Distribution            
INTM 443    Purchasing                              
INTM 444    Export/Import                           
INTM 446    Manufacturing and Logistics Info Systems

Telecommunication Technology (TT)
ITMO 440    Introduction to Data Networks and the Internet
ITMO 441    Network Applications and Operations    
ITMS 448    Cyber Security Technologies             
INTM 449    Telecommunications over Data Networks   

CREDIT HOURS TO BE COMPLETED AT IIT: **63**
CREDIT HOURS REQUIRED FOR BAC IN INDUSTRIAL TECH & MGMT: **126**

Total credits for AAS in STA ENG at MVCC: **62**
Additional credits* at MVCC or IIT: **11**
Credits taken at IIT for BAC in INTM: **63**
Combined Total Credits: **136**

*Equivalent coursework completed at other institutions may qualify for transfer to IIT, thereby reducing the need for additional credits. See Section IV.
FOR MORE INFORMATION...

MECHANICAL TECHNOLOGY
T-Building, 9000 W. College Parkway
Palos Hills IL 60465

Steve Brasel
Department Chair
Office: T708
708.974.5632
brasels2@morainevalley.edu

Joe Adeszko
Program Coordinator
Office: T204
708.974.5406
adeszko@morainevalley.edu

MVCC Admissions Office
708.974.5355
admissions@morainevalley.edu

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

CIT Department website:  http://www.morainevalley.edu/CAD/degrees.htm

INDUSTRIAL TECHNOLOGY AND MANAGEMENT
3424 S. State Street, Tech South 4001
Chicago IL 60616

Eve Gutmann
Communications Coordinator, INTM
312.567.3649
egutmann@iit.edu

IIT Office of Undergraduate Admissions
312.567.3025
admission@iit.edu
http://admissions.iit.edu/undergraduate/

INTM Department 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
Online application:  http://admissions.iit.edu/undergraduate/apply/transfer-applications