Transfer Guide: MVCC to IIT
AAS in Mechanical Design Technology (MDT) -to-
BAC in Industrial Technology and Management (INTM)

I. MDT GENERAL EDUCATION (19 to 23 credits)

Communications (6 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 101</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>COM 103</td>
<td>Speech Fundamentals</td>
<td>3</td>
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</tbody>
</table>

Mathematics (6 to 10 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 141</td>
<td>College Algebra</td>
<td>4</td>
</tr>
<tr>
<td>MTH 142</td>
<td>Trigonometric Functions</td>
<td>2</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MTH 150</td>
<td>Calculus I/Analytic Geometry</td>
<td>5</td>
</tr>
<tr>
<td>MTH 151</td>
<td>Calculus II/Analytic Geometry</td>
<td>5</td>
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</tbody>
</table>

Science (4 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PHY 150</td>
<td>Mechanics, Heat and Sound</td>
<td>4</td>
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</table>

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

II. MDT MAJOR/TECHNICAL COURSEWORK (40 credits) (transfers to IIT as 9 SCI + 31 TECH)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>IST 101</td>
<td>Introduction to Machine Tools</td>
<td>3</td>
</tr>
<tr>
<td>MDT 101</td>
<td>Introduction to Drafting</td>
<td>3</td>
</tr>
<tr>
<td>MDT 103</td>
<td>Orientation to MDT Careers</td>
<td>1</td>
</tr>
<tr>
<td>MDT 106</td>
<td>Mechanical Assemblies</td>
<td>2</td>
</tr>
<tr>
<td>MDT 110</td>
<td>Mechanical Detailing</td>
<td>3</td>
</tr>
<tr>
<td>MDT 115</td>
<td>Applied GDT</td>
<td>2</td>
</tr>
<tr>
<td>MDT 145</td>
<td>Introduction to CAD</td>
<td>3</td>
</tr>
<tr>
<td>MDT 160</td>
<td>Introduction to 3D Modeling</td>
<td>3</td>
</tr>
<tr>
<td>MDT 205</td>
<td>Machine Elements</td>
<td>3</td>
</tr>
<tr>
<td>MDT 209</td>
<td>Hydraulics and Pneumatics</td>
<td>2</td>
</tr>
<tr>
<td>MDT 210</td>
<td>Statics and Strength of Materials</td>
<td>3</td>
</tr>
<tr>
<td>MDT 213</td>
<td>Plant Engineering Drafting</td>
<td>3</td>
</tr>
<tr>
<td>MDT 220</td>
<td>Tool Drafting</td>
<td>3</td>
</tr>
<tr>
<td>MDT 255</td>
<td>Machine Design</td>
<td>3</td>
</tr>
<tr>
<td>WLD 113</td>
<td>Basic Metallurgy and Materials</td>
<td>3</td>
</tr>
</tbody>
</table>

CREDIT HOURS REQUIRED FOR MVCC AAS IN MECHANICAL DESIGN TECHNOLOGY: 65

III. ADDITIONAL GENERAL EDUCATION COURSES* TO BE TAKEN AT MVCC OR IIT (12 credits)

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

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

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 or Social Science elective (3 credits): at MVCC, select one course from section B, C, or D from the 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 MDT should consult with INTM regarding additional requirements.

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1. COM 101 and COM 103 are required for all MVCC degrees. These courses satisfy IIT’s Writing Proficiency Requirement, but credits do not count towards INTM degree requirements.
2. May be applied as a Drafting/Engineering Graphics course within INTM program to satisfy IIT General Education requirements for Science.
3. May be applied as a Physics course to satisfy IIT General Education requirements for Science.
4. 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.
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.
IV.  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)

V.  INTM CORE COURSEWORK (27 credits)

All INTM courses below are 3 credits.

- INTM 301 Communications for the Workplace
- INTM 315 Industrial Enterprises
- INTM 322 Industrial Project Management
- INTM 404 Marketing, Sales and Product Introduction
- INTM 408 Cost Management
- INTM 409 Inventory Control
- INTM 410 Operations Management
- INTM 425 Human Resource Management
- INTM 432 Sales and Operations Planning

VI.  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.

- 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
- INTM 477 Entrepreneurship in Industry

**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 MDT at MVCC:** 65

**Additional credits* at MVCC or IIT:** 12

**Credits taken at IIT for BAC in INTM:** 63

**Combined Total Credits:** 140

*Equivalent coursework completed at other institutions may qualify for transfer to IIT, thereby reducing the need for additional credits. See Section III.
### COMPUTER INTEGRATED TECHNOLOGIES

**T-Building, 9000 West College Parkway**  
**Palos Hills IL 60465**

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Office</th>
<th>Phone 1</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. John Sands</td>
<td>Department Chair</td>
<td>T514</td>
<td>708.974.5426</td>
<td><a href="mailto:sands@morainevalley.edu">sands@morainevalley.edu</a></td>
</tr>
<tr>
<td>Chuck Bales</td>
<td>Program Coordinator</td>
<td>T401</td>
<td>708.974.5401</td>
<td><a href="mailto:bales@morainevalley.edu">bales@morainevalley.edu</a></td>
</tr>
</tbody>
</table>

**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

**MDT Program description:**  

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### INDUSTRIAL TECHNOLOGY AND MANAGEMENT

**3424 S. State Street, Tech South 4001**  
**Chicago IL 60616**

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Phone 1</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eve Gutmann</td>
<td>Communications Coordinator, INTM</td>
<td>312.567.3649</td>
<td><a href="mailto:egutmann@iit.edu">egutmann@iit.edu</a></td>
</tr>
<tr>
<td>IIT Office of Undergraduate Admissions</td>
<td></td>
<td>312.567.3025</td>
<td><a href="mailto:admission@iit.edu">admission@iit.edu</a></td>
</tr>
</tbody>
</table>

**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