The Communications Technology (CMT) AAS degree is a cooperative effort between Daley College and the Electrical Joint Apprenticeship and Training Trust (EJATT). The CMT program requires a separate application for apprentice training through the IBEW-NECA Technical Institute. Upon earning the CMT AAS, 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 managing operations, resources, and technology within an industrial organization. This transfer guide outlines curriculum for both programs and identifies how the ECT coursework aligns with admission requirements for the INTM degree. 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.

<table>
<thead>
<tr>
<th>CCC CMT Required Coursework</th>
<th>Transfers to Illinois Tech as...</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General Education Coursework (15 credits)</strong></td>
<td>Communications/COM 101 (Writing Proficiency)</td>
</tr>
<tr>
<td>ENGLISH 101 Composition (3)</td>
<td>Humanities/HIST, HUM, LIT, PHIL (not 105) or RELIGN accepted</td>
</tr>
<tr>
<td>HISTORY elective (3)</td>
<td>Social Science/ANTHRQ, ECON, GEOGR, POLI SCI, PSYC, SOC or SOC SCI</td>
</tr>
<tr>
<td>PSYCHOLOGY or SOCIAL &amp; BEHAVIOR SCIENCE (SBS) elective (3)</td>
<td>Social Science or Humanities; ECON 133, PHIL 105, PSYCH 240 do not transfer</td>
</tr>
<tr>
<td>HUMAN DIVERSITY (HD) elective (3) &gt; Review Human Diversity (HD) electives in City Colleges of Chicago (CCC)</td>
<td>&gt; Review CCC-IIT Transfer Credits list at <a href="https://web.iit.edu/ugaa/">https://web.iit.edu/ugaa/</a></td>
</tr>
<tr>
<td>432IBEW 714 Technical Mathematics I (3)</td>
<td>Math</td>
</tr>
</tbody>
</table>

| **CMT Major/Technical Coursework: 13 courses (50 credits)** | |
| 432IBEW 704 Construction Technology (4.5) | Technical coursework |
| 432IBEW 705 Print Reading I (3.5) | Technical coursework |
| 432IBEW 709 Print Reading II (3) | Technical coursework |
| 432IBEW 711 Communications (4) | Technical coursework |
| 432IBEW 715 Technical Mathematics II (3) | Math |
| 432IBEW 716 Electronics (4.5) | Natural Science/Engineering (Physics) |
| 432IBEW 717 Structured Wiring (4.5) | Technical coursework |
| 432IBEW 718 Integrated Systems I (3.5) | Technical coursework |
| 432IBEW 719 Integrated Systems II (4.5) | Technical coursework |
| 432IBEW 720 Communications Systems Verification (3.5) | Technical coursework |
| 432IBEW 721 Fiber Optics (3.5) | Natural Science/Engineering (Physics) |
| 432IBEW 722 Computer Networking (4.5) | Technical coursework |
| 432IBEW 726 Low Voltage Systems Comm (3.5) | Technical coursework |

**TOTAL CREDITS REQUIRED FOR CCC AAS IN CMT: 65**

**Additional courses required for transfer to IIT:**

- **NATURAL SCIENCE/ENGINEERING (3 credits):** One course from IIT-CCC Transfer Credits list, Section F. CAD, Engineering Graphics or BIM recommended. BIOL or CHEM accepted.
- **COMPUTER SCIENCE (3 credits):** Take 432IBEW 710 or a CIS elective.

The courses above 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 CCC’s AAS in CMT should consult with INTM at IIT before taking additional courses.

**INTM Admission Requirements: 60 credits**

<table>
<thead>
<tr>
<th>Technical Coursework: 31 credits</th>
<th>Satisfied by CCC AAS Coursework</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics: 5-6 credits</td>
<td>IBEW Major/Technical courses</td>
</tr>
<tr>
<td>Natural Science/Engineering: 10-11 credits</td>
<td>432IBEW 714 and 715</td>
</tr>
<tr>
<td>Computer Science: 3 credits</td>
<td>432IBEW 716, 721 + 1 course (not Physics/Physical Science)</td>
</tr>
<tr>
<td>Humanities/Social Sciences: 9 credits</td>
<td>432IBEW 710 or CIS elective</td>
</tr>
<tr>
<td></td>
<td>See above; HIST (HUM) and PSYC 206 (SOC SCI) recommended</td>
</tr>
</tbody>
</table>

**Illinois Tech/INTM Coursework**

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

continued on next page...
**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 319 Electronics in Industry
- INTM 418 Industrial Risk Management
- INTM 420 Applied Strategies for the Competitive Enterprise
- 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
- INTM 406 Quality Control
- INTM 433 Chemical Manufacturing Processes in Industry
- INTM 434 Manufacturing 4.0
- INTM 435 Performance Management for Food Operations
- INTM 436 Lean Manufacturing
- INTM 437 Smart Factory Automation
- INTM 438 Advanced Metals Manufacturing I
- INTM 446 Manufacturing and Logistics Information Systems
- INTM 434 Chemical Manufacturing Processes in Industry
- INTM 435 Performance Management for Food Operations
- INTM 436 Lean Manufacturing
- INTM 437 Smart Factory Automation
- INTM 438 Advanced Metals Manufacturing I
- INTM 446 Manufacturing and Logistics Information Systems

#### Facilities Management (FM)
- INTM 314 Maintenance Technology and Management
- INTM 411 Functional Facilities Management
- INTM 413 Contract Administration for Construction Projects
- INTM 415 Advanced Project Management
- INTM 437 Maintenance Technology and Management
- INTM 438 Advanced Metals Manufacturing I
- INTM 446 Manufacturing and Logistics Information Systems

#### Supply Chain Management (SCM)
- INTM 416 Integrated Facilities Management
- INTM 423 Sustainable Facilities Management
- INTM 427 E-Commerce in Marketing & Supply Chain Networks
- INTM 430 Transportation
- INTM 441 Supply Chain Management
- INTM 442 Warehousing and Distribution
- INTM 444 Export/Import
- INTM 446 Manufacturing and Logistics Info Systems

#### 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
- INTM 443 Purchasing
- INTM 444 Export/Import
- INTM 446 Manufacturing and Logistics Info Systems

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

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

**OVERALL CREDITS REQUIRED**: 131-137 (CCC: 65>AAS + 6>Gen Ed + 60-66>IIT)

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**FOR MORE INFORMATION...**

**EJATT/IBEW-NECA TECHNICAL INSTITUTE**

Mr. Gene Kent, Director
6201 W 115th Street
Alsip, IL 60803
708.389.1340
gkent@ejatt.com


CCC Application Procedures: [http://www.ccc.edu/Pages/FutureStudents.aspx](http://www.ccc.edu/Pages/FutureStudents.aspx)


**ILLINOIS INSTITUTE OF TECHNOLOGY**

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

**INTM Website**: [http://appliedtech.iit.edu/intm](http://appliedtech.iit.edu/intm)

**INTM Program Description**: [http://appliedtech.iit.edu/industrial-technology-and-management/programs](http://appliedtech.iit.edu/industrial-technology-and-management/programs)


**IIT Online Application for Transfer Students**: [https://www.iit.edu/admissions-aid/undergraduate-admission/transfer-students/transfer-application-process](https://www.iit.edu/admissions-aid/undergraduate-admission/transfer-students/transfer-application-process)

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CCC-CMT to INTM 3.3.20