

**TRANSFER GUIDE: PRAIRIE STATE COLLEGE TO ILLINOIS INSTITUTE OF TECHNOLOGY**

**AAS in Industrial Electrician (IND ELECT) -to-  
BACHELOR in Industrial Technology and Management (BINTM)**

Prairie State College students have the opportunity to 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. Curriculum for both programs are outlined below, identifying how the Prairie State College (PSC) AAS degree aligns with IIT admission requirements. Courses must be graded 'C' or better in order to transfer to Illinois Tech.

Prairie State IND ELECT Required Coursework	Transfers to Illinois Tech as...
<b><u>Communications: 2 courses (6 credits)</u></b>	
ENG 101      Composition I (3)	Communications/COM 101 (Writing Proficiency)
COMM 101    Principles of Communication (3)	Communications/COM 101
<b><u>Humanities/Fine Arts: 1 course (3 credits)</u></b>	
One course from Area B, PSC General Education Core	Humanities; ENG, HIST, HUMAN or PHIL recommended
<b><u>Mathematics: Take 1 of the following (3-4 credits)</u></b>	
TECH 109      Technical Mathematics (4) -or-	Math
IT 106         Mathematics for Computers (3) -or-	-- (acceptable for PSC AAS degree)
MATH 151     College Algebra (4)	-- (acceptable for PSC AAS degree)
<b><u>Physical/Life Sciences: Take 1 of the following (4-5 credits)</u></b>	
CHEM 105, 110; PHYSC 111; PHYSI 101, 120, 210	Natural Science/Eng.; CHEM 105 or 110 recommended
<b><u>Social/Behavioral Sciences: 1 course (3 credits)</u></b>	
One course from Area E, PSC General Education Core	Social Science; PSYCH, SOCIO or POLSC recommended
<b><u>IND ELECT Major/Technical Coursework: 26 courses (49 credits)</u></b>	
COL 101, 102    First Year Seminar (1) and Career Development Seminar (1)	-- (required for PSC AAS degree)
ELECT 101      Fundamentals of Electricity I (2)	Natural Science/Engineering (Physics)
ELECT 102      Fundamentals of Electricity II (2)	Natural Science/Engineering (Physics)
ELECT 103      Alternating Current (2)	Natural Science/Engineering (Physics)
ELECT 105      Power, Transformers, Polyphase Circuits (2)	Technical Coursework
ELECT 106      DC Motors and Generators (2)	Technical Coursework
ELECT 107      AC Motors and Generators (2)	Technical Coursework
ELECT 108      Electrical Controls for Machines I (2)	Technical Coursework
ELECT 109      Electric Controls for Machines II (2)	Technical Coursework
ELECT 111      Electronic Principles I (2)	Technical Coursework
ELECT 112      Electronic Principles II (2)	Technical Coursework
ELECT 113      Print Reading for Electricians (2)	Technical Coursework
ELECT 114      National Electrical Code (2)	Technical Coursework
ELECT 120      Industrial and Electrical Safety (2)	Technical Coursework
ELECT 159      Electrical Wiring (2)	Technical Coursework
ELECT 203      Industrial Electronics I (2)	Technical Coursework
ELECT 204      Industrial Electronics II (2)	Technical Coursework
ELECT 208      Programmable Logic Controllers I (2)	Computer Science
ELECT 209      Programmable Logic Controllers II (2)	Computer Science
ELECT 298      Electrical Seminar (1)	Technical Coursework
ELECT 299      Electrical Internship (2)	Technical Coursework
<b><u>ELECTIVES      Complete 8 hours from the following:</u></b>	Technical Coursework
ELECT 141, 150, 160, 201, 202, 206, 207, 230, 290; PHYSI 130	
<b>TOTAL CREDITS REQUIRED FOR PRAIRIE STATE AAS IN INDUSTRIAL ELECTRICIAN: 68-70</b>	
<b><u>Additional course(s) required for transfer to IIT: 2 courses (6-7 credits)</u></b>	
<i>Before taking additional courses, student should contact IIT's INTM Office to consult with an academic advisor (see pg. 3)</i>	
- <b>MATH (3-4):</b> At PSC, based on Math completed for PSC Gen Ed, choose TECH 109, MATH 115 or MATH 153 (recommended)	
- <b>SOCIAL SCIENCE or HUMANITIES (3):</b> At PSC, choose one course in PSYC, SOCIO or POLSC, Area E, PSC General Education Core,	
-or- one course in HIST, ENG, HUMAN or PHILO from Area B, PSC General Education Core	

INTM Admission Requirements: 60 credits	Satisfied by PSC AAS Coursework
Technical Coursework: 31 credits	IND ELECT Major/Technical Courses
Mathematics: 5-6 credits	TECH 109 plus MATH 153 or 115
Natural Science/Engineering: 10-11 credits	ELECT 102, 103, 105 plus CHEM, PHYSC or PHYSI
Computer Science: 3 credits	ELECT 208, 209
Humanities/Social Sciences: 9 credits	3 courses as specified

Illinois Tech/INTM Coursework	
<b>Core Curriculum: 45 credits</b>	
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 409	Inventory Control (3)
INTM 410	Operations Management (3)
INTM 425	Human Resource Management (3)
INTM 432	Sales & Operations Planning (3)
Humanities (6 credits): Two (2) 300- or 400-level courses; choose from HIST, HUM, PHIL or LIT	
Social Science (6 credits): Two (2) 300- or 400-level courses: choose from PSYC, PS, SOC or ECON	
Interprofessional Project (IPRO) (6 credits)	
<b>INTM Technical and Specialization Electives (21 credits)</b>	
Select seven (7) courses from all electives listed below. Completing a specialization is optional.	
To complete a specialization, student must complete four (4) courses within an identified focus area.	
All courses below earn 3 credits.	
<u>General Technical Electives</u>	
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
<u>Specialization Electives</u>	
<b>Industrial Facilities (IF)</b>	
INTM 407	Construction Technology
INTM 413	Facilities and Construction Administration
INTM 415	Advanced Project Management
INTM 416	Integrated Facilities Management
INTM 417	Construction Estimating
<b>Industrial Sustainability (ST)</b>	
INTM 459	Issues in Industrial Sustainability
INTM 460	Sustainability of Critical Materials
INTM 461	Energy Options in Industry
INTM 462	Special Topics in Industry
<b>Manufacturing Technology (MT)</b>	
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 446	Manufacturing and Logistics Info Systems
<b>Supply Chain Management (SCM)</b>	
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
<b>Telecommunication Technology (TT)</b>	
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
<b>TOTAL CREDITS TO BE COMPLETED AT ILLINOIS INSTITUTE OF TECHNOLOGY: 66</b>	
<b>TOTAL CREDITS REQUIRED FOR BACHELOR IN INDUSTRIAL TECHNOLOGY &amp; MANAGEMENT: 126</b>	

**FOR MORE INFORMATION...**

---

**PRAIRIE STATE COLLEGE**  
202 S. Halsted Street  
Chicago Heights, IL 60411



**Georgia Karras**  
**Program Coordinator**  
Room 2185  
708.709.3598  
[gkarras@prairiestate.edu](mailto:gkarras@prairiestate.edu)

**PSC Counseling and Academic Advising**  
First Floor, Room 1190  
708.709.3506  
<http://prairiestate.edu/get-started/index.aspx>

**IND ELECT Program Advising Guide:** [http://prairiestate.edu/Assets/Global/advisingguides/app\\_ie\\_aas.pdf](http://prairiestate.edu/Assets/Global/advisingguides/app_ie_aas.pdf)  
**IND ELECT Website:** <http://prairiestate.edu/academics/academic-programs/industrial-technology/industrial-electrician/index.aspx>  
**PSC Programs Catalog:** <http://prairiestate.edu/apply-reg-pay/how-to-enroll/catalogs/index.aspx>  
**PSC Enrollment Procedures:** <http://prairiestate.edu/assets/global/admissions/formfiles/admissionsfunnel.pdf>  
**PSC Counseling and Advising Center:** <http://prairiestate.edu/student-services/advising-and-counseling/index.aspx>

---

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



**Pamela Houser**  
**Program Manager, INTM**  
312.567.3584  
[houser@iit.edu](mailto:houser@iit.edu)

**IIT Office of Undergraduate Admissions**  
312.567.3025  
[admission@iit.edu](mailto: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 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:** <http://admissions.iit.edu/undergraduate/apply/transfer-applications>