Transfer Guide: MVCC to IIT
AAS Electronic/Computer Controls Tech (ELT) -to-
BAC in Industrial Technology and Management (INTM)

I. ELT GENERAL EDUCATION (18 credits)

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

**Mathematics** (2 credits)
- MTH 133 Math for Industry (2)

**Humanities** (3 credits)
- One course from Section B, IIT-MVCC General Education Transfer Credits List:
  [www.iit.edu/ugaa/transfer_credit/moraine_valley_community_college/itm.shtml](http://www.iit.edu/ugaa/transfer_credit/moraine_valley_community_college/itm.shtml)

**Social Sciences** (3 credits)
- One course from Section C, IIT-MVCC General Education Transfer Credits List

**Science** (4 credits)
- One course (not PHYSICS) from Section E, IIT-MVCC General Education Transfer Credits List

II. ELT REQUIRED MAJOR/CAREER COURSEWORK (40 credits) *(transfers to IIT as 6 SCI + 3 CS + 31 TECH)*

- ELT 101 Electricity and Electronics (3)
- ELT 102 Digital Logic/Solid State Devices (3)
- ELT 112 Computers for Industry (1)
- ELT 201 Industrial Controls (3)
- ELT 202 Advanced Industrial Controls (3)
- ELT 211 Introduction to PLCs (3)
- ELT 222 Advanced PLCs (3)
- IMM 101 Mechanical Systems I (3)
- IMM 110 Hydraulics (3)
- IMM 115 Pneumatics (3)
- LAN 102 Voice and Data Cabling (3)
- LAN 111 IT Essentials – A+ (3)
- LAN 112 Managing IT-A+ (3)
- LAN 121 Network Essentials – Network+ (3)

III. ELT ELECTIVES *(5 credits)*

Select five (5) credits from: HAC, IMM, IST, LAN, MDT, MIS, WLD. *(See note 6 for electives which would satisfy Science requirements.)*

**CREDIT HOURS REQUIRED FOR MVCC AAS IN ELECTRONIC/COMPUTER CONTROLS TECH: 63**

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

**Mathematics** (4 credits): At MVCC, MTH 139 Probability and Statistics is recommended.

**Science** (1 credit): See Section III. Alternately, take one course from Section E, 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.

**Humanities or Social Science elective** (3 credits): At MVCC, select one course from Section B, C, or D, 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.*

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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 INTM degree; students are encouraged to take MTH 133 and MTH 139 Probability and Statistics (4 credits).
3. INTM guidelines stipulate that a minimum of eleven (11) credit hours is required in Science. Two courses must be in the same field and at least one course must be in a different field. MVCC’s required Career Courses include two that may be applied as Physics.
4. May be applied as a Physics course to satisfy IIT’s General Education requirements for Science.
5. May be applied as a Computer Science (CS) course to satisfy IIT General Education Requirements.
6. ELT electives which satisfy IIT General Education requirements for Science: IST 109, HAC 105, HAC 111, MDT 101, MDT 145
7. 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.

  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

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.

  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 ELT at MVCC: 63
Additional credits* at MVCC or IIT: 11
Credits taken at IIT for BAC in INTM: 63
Combined Total Credits: 137

*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...

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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