

INDUSTRIAL TECHNOLOGY MAJORS (Suggested Associate in Science Degree Curriculum)

This worksheet is designed to help students select courses which are likely to apply to a **major in Industrial Technology**. These suggested courses satisfy requirements in the Associate in Science Degree program at Prairie State College and provide the basis for transferring to a four-year institution. This program meets the guidelines of the **IAI (Illinois Articulation Initiative) Baccalaureate Major Panel for Industrial Technology**. Students should obtain a copy of the **Associate in Science Degree Worksheet** and should visit the IAI website at www.iTransfer.org for additional information.

Industrial Technology is a field of study designed to prepare technical and/or management oriented professionals for employment in business, industry, education and government. Industrial Technology reflects the broad industry areas including: manufacturing, electrical, industrial and mechanical. Employment in industrial technology in Illinois accounts for nearly 1 million workers and 17% of Illinois non-farm employment. Employees working in industrial technology jobs can be found in manufacturing, maintenance, processing, quality, design, transportation and warehousing. Programs of study at the high school, associate degree and baccalaureate degree levels incorporate learning objectives outlined by the Science, Technology, Engineering and Mathematics (STEM) Initiative.

SUGGESTED CURRICULUM

Each senior institution has its own transfer policies. Therefore, we cannot guarantee the accuracy of this information in regard to every individual school. Consult the school of your choice and/or the PSC Advising Center to discuss the transferability of courses.

TRANSFERABLE GENERAL EDUCATION CORE (37-38 credits)

Area A: Communications (9 credits)

ENG 101 (3)	[C1 900]*	Composition I (Prereq. ENG 099 , C or better, or qualifying score on English Placement Test)
ENG 102 (3)	[C1 901R]*	Composition II (Prereq. ENG 101, C or better)
COMM 101(3)	[C2 900]	Principles of Communication (Prereq. Placement in ENG 099 or above)

**Must have a C or better in ENG 101 & 102 to receive credit for the degree.*

Area B: Humanities and Fine Arts (9 credits)

Select three courses with at least one course selected from the humanities area and one course from the fine arts area. Refer to the Associate in Science Degree Worksheet, Area B, for a listing of approved course choices.

Humanities Course (3)	Select any Area B Humanities Course (Prereq. Placement in ENG 099 or above)
Fine Arts Course (3)	Select any Area B Fine Arts Course (Prereq. Placement in ENG 099 or above)
Humanities/Fine Arts Course (3)	Select any Area B Course (Prereq. Placement in ENG 099 or above)

Area C: Mathematics (3 credits)

MATH 115 (3)	[M1 902]	General Education Statistics (Prereq. MATH 095 & 096 with C or better, OR MATH 095 & high school geometry with C or better OR qualifying score of Math Placement Test)
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Area D: Physical and Life Sciences (7-8credits)

Select one life science course and one physical science course. One course must have a lab component. Refer to the Associate in Science Degree Worksheet, Area D, for a listing of approved course choices.

Life Science Course (3-4)	Select any Area D Life Science Course (Prereq. Placement in ENG 099 or above)
Select one course from:	
CHEM 105 (4)	[P1 902L] Survey of General Chemistry (Prereq. MATH 090 with C or better OR qualifying score on Math Placement Test)
OR	
PHYSI 101 (4)	[P1 901L] Conceptual Physics (Prereq. Placement in ENG 099 or above)

Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines. Refer to the Associate in Science Degree Worksheet , Area E, for a listing of approved course choices.

Social/Behavioral Sci Course (3)	Select any Area E Social/Behav Sci Course (Prereq. Placement in ENG 099 or above)
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INDUSTRIAL TECHNOLOGY MAJOR COURSE RECOMMENDATIONS (24-25 credits)

(Check with the school to which you plan to transfer to verify transferability of courses for this major)

Select 24-25 credits from the “suggested” course recommendations listed below:

Suggested IAI Industrial Technology Major Core Technical courses:

CADMD 243 (3)	Introduction to AutoCAD (Prereq. CADMD 241)
MT 220 (2)	Metallurgy - Ferrous (Prereq. MT 102 & TECH 221)
MT 221 (2)	Metallurgy - Non Ferrous (Prereq. MT 220)

Other suggested courses which satisfy the PSC AS degree requirements may include electives such as:

- Any additional general education courses selected from Areas B, C, D, or E
- Any entry level majors course in a transferable major area
- Any foreign language courses*
- Up to four credits of physical education courses
- Additional courses recommended as transferable by the school to which you plan to transfer.

**Foreign Language Requirement: Some universities have a foreign language requirement. Generally, four years of a single foreign language in high school, or four semesters in college, will fulfill this requirement. It is recommended that students complete the entire sequence at one institution.*

62 CREDITS REQUIRED FOR AN ASSOCIATE IN SCIENCE DEGREE

FOR FURTHER INFORMATION CONTACT:

Counseling & Advising Center Room 1190 (708) 709-3506

INDUSTRIAL TECHNOLOGY DEPARTMENT FACULTY:

Dale Ballard, Associate Professor	Room 2188	(708) 709-3769	dballard@prairiestate.edu
Tom Michalak, Associate Professor	Room T-145	(708) 709-7807	tmichalak@prairiestate.edu

FOR TRANSFER INFORMATION:

Course Applicability System (CAS): www.transfer.org

Illinois Articulation Initiative (IAI): www.iTransfer.org

Links to Articulation Tables for Illinois Colleges: <http://www.itransfer.org/IAI/Other/Articulationlinks.taf>

Visit the web sites of colleges and universities to which you plan to transfer.

FOR CAREER INFORMATION:

Occupational Outlook Handbook, U.S. Department of Labor: <http://www.bls.gov/oco/home.htm>

Tooling and Manufacturing Association: www.tmanet.org

National Tooling and Machining Association: www.ntma.org

National Association of Manufacturers: www.nam.org