

CERTIFICATE PROGRAM IN INDUSTRIAL TECHNOLOGY

(Statewide locations only)

Effective Fall Semester of 2009-2010

Students may complete the certificate program below by satisfactorily completing all courses listed with a grade of C- or higher. Transfer credit applied to the certificate is limited to no more than 9 credit hours.

**Industrial Technology Certificate Program
18 Credit Hours**

Phase I – Foundation

(3)	IT 10400	Industrial Organization
<u>(3)</u>	IT 11400	Problem Solving in Manufacturing
6		

Phase 2 – Broadening

(3)	IT 21400	Introduction to Lean Manufacturing
<u>(3)</u>	IT 23000	Industrial Supply Chain Management
6		

Phase 3 – Specialization – Choose 2 of the following

(3)	IT 28100 or	Industrial Safety or
	IT 35100	Advanced Industrial Safety & Health Management
(3)	IT 33000	Industrial Sales and Sales Management
(3)	IT 33200	Purchasing, Inventory, and Warehouse Management
(3)	IT 34500	Automatic Identification and Data Capture
(3)	IT 38100	Total Productive Maintenance
<u>(3)</u>	IT 38500	Industrial Ergonomics
6		



School of Technology

PURDUE UNIVERSITY

FACULTY SENATE DOCUMENT
For Distribution to the Faculty

Document 00-18

PROPOSED BACCALAUREATE CURRICULUM IN INDUSTRIAL TECHNOLOGY (GENERAL OPTION) FOR PURDUE NORTH CENTRAL AND STATEWIDE TECHNOLOGY

The Curriculum Subcommittee for Industrial Technology submits the attached document to the Curriculum Committee for its recommendations.

M. J. Sutton, chair
K. A. Newton
G. E. Rogers
M. P. Stephens

The Curriculum Committee has studied the attached document and recommends its approval by the Faculty Senate.

A. W. Crispo, chair
D. P. Achor
R. J. Herrick
W. J. Hutzler
W. G. Krug
J. R. Mariga
C. L. Miller
M. J. Sutton
R. E. Thompson

This document will be considered at the Faculty Senate meeting to be held on the date at the right. You are urged to discuss it with your senator.

November 9, 2000

PROPOSED BACCALAUREATE CURRICULUM
IN
INDUSTRIAL TECHNOLOGY (GENERAL OPTION)
FOR
PURDUE NORTH CENTRAL
AND
STATEWIDE TECHNOLOGY

Background Information

This document proposes adding a General Option in the Industrial Technology baccalaureate degree program. In response to requests from Statewide Technology and Purdue North Central for a technical-based bachelor's degree, IT faculty worked closely with representatives from Statewide Technology and Purdue North Central to develop a baccalaureate curriculum. This document proposes a General Option in the baccalaureate curriculum that maintains the integrity of the IT degree program and also meets National Association of Industrial Technology (NAIT) accreditation requirements.

Proposal

- It is proposed that the School of Technology Senate approve the following:
- a. Proposed General Option for Bachelor Degree pages 2-3

PROPOSED BACCALAUREATE DEGREE CURRICULUM

IN

INDUSTRIAL TECHNOLOGY

General Option

(Purdue North Central and Statewide locations only)

Effective First Semester of 2001-2002

General Education

- (3) ENGL 101 English Composition I
- (3) ENGL 102 English Composition II
- (3) COM 114 Fundamentals of Speech Comm
- (3) ECON 210 Principles of Economics
- (3) Humanities/Social Science Elective
- (3) Communication Elective (\geq 300 level)

18

Mathematics

- (5) MA 151 Algebra and Trigonometry
- (6) Math or Computing Selective

11

Physical Science

- (4) PHYS 218 General Physics I
- (7) Science Selective

11

Industrial Technology Core

- (3) IET 104 Industrial Organization
- (3) IT 114 Problem-Solving in Manufacturing
- (3) IT 230 Elements of Distribution
- (3) OLS 331 Occupational Safety and Health
- (3) IT 342 Introduction to Statistical Quality
- (3) IT 385 Industrial Ergonomics
- (3) IT 442 Production Planning
- (3) IET 451 Monetary Analysis for Industrial Decisions

24

Technical Core

- (2) CPT 135 Introduction to Computer Technology Applications
 - (3) MET 141 Materials I
 - (3) EET 214 Electricity Fundamentals
 - (3) MET 242 Manufacturing Processes II
 - (3) CGT 110 Computer Graphics Communication
 - (3) CIMT 243 Automated Manufacturing I
- 17

Technical Electives*

- (24) IET, CIMT, CGT, CPT, EET, MET Electives
- 24

General Electives*

- (15) Electives
- 15

* A minimum of 15 credit hours are required at 300 level or above

120 Total credit hours for B.S. Degree