

Academic Fact Sheet

Wayne State College

INDUSTRIAL TECHNOLOGY MAJOR DRAFTING, PLANNING, & DESIGN CONCENTRATION (57 Hours)

The Planning & Design concentration is administered by the Technology and Applied Science Department.

Facts about the Program

Degrees Offered:

B.S.
B.A.

Faculty:

Don Buryanek, M.S.E.
John Renzelman, Ph.D.
Greg Vander Weil, M.S.E.
Kevin Miller, Ed.D.

Career Opportunities

Draftsperson
Drafting Supervisor
Design Estimator
Presentation and Design Technician
Presentation and Design Supervisor
Plant or Production Manager
Marketing Coordinator

Scholarships and Financial Aid

Wayne State College is committed to providing a quality, affordable education for its students. There are several types of financial assistance available for Wayne State students, including grants, loans, work-study and scholarships. The aid packages are composed of money from Pell grants, SEOG grants, SSIG grants, Perkins loans, Stafford student loans, PLUS loans and a variety of scholarships. Contact the Financial Aid Office at (402) 375-7230 for further information.

Scholarships available through the Technology and Applied Science Department include:

Wiltse Scholarship
Anthony J. Netherda Memorial Scholarship
Huntmer Scholarship
Raymond A. Schreiner Memorial Scholarship
Cecil H. Wreidt Memorial Scholarship

Program Description

The Drafting, Planning, and Design Concentration was developed to prepare students as managers in the production of documents and drawings that communicate design needs and specifications. Three important components in the concentration are drafting and design courses, business administration courses and computer information systems courses.

The core of study in Drafting, Planning, and Design includes mechanical and architectural drafting, computer rendering, design project presentation, and exposure to various softwares and applications. Courses in business administration provide a good foundation in the areas of management, administration, and human relations. Courses include an overview of accounting, statistics, and marketing and human resource management. The computer (CIS) component includes classes on hardware, operating systems and networking. The CIS courses provide a strong set of computing skills that are necessary for success in a technology related field of study.

For more information contact:

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INDUSTRIAL TECHNOLOGY DRAFTING, PLANNING, & DESIGN CONCENTRATION (57 Hours)

FRESHMAN YEAR

1st Semester

* ITE	105	Intro to Technology Systems	3
ITE	109	Drafting Communications	3
ENG	102	Composition Skills	3
MAT	121	College Algebra	3
		Elective/Minor	

2nd Semester

** ITE	108	Manufacturing Processes & Systems	3
** ITE	214	Residential Design	3
CNA	100	Princ. of Human Communications	3
		General Education	

SOPHOMORE YEAR

3rd Semester

* ITE	110	Occupational/Environmental Safety	3
ITE	202	Construction Systems	3
* ITE	314	Architectural Design	3
CIS	140	Intro to Operating Systems	3
		General Education	

4th Semester

BUS	208	Business Communication	3
CIS	140	Intro to Microcomp Oper Syst.	OR
CIS	171	Networking	OR
CIS	372	Computer Hardware	3
		Elective/Minor	
		General Education	

JUNIOR YEAR

5th Semester

*** ITE	304	Surveying and Print Reading	3
*** ITE	309	Technical Drawing/Solid Modeling	3
* BUS	471	Principles of Supervision	3
		Life Sciences	3
		General Education	

6th Semester

**** ITE	315	Manufacturing Technology	OR
ITE	330	Welding Theory and Fabrication	3
**** ITE	412	3D Modeling, Rendering, & Design	3
BUS	360	Management Theory & Practice	3
		Physical Sciences	3

SENIOR YEAR

7th Semester

* ITE	333	Electricity & Electronics	3
* ITE	390	Constr. Estimating & Scheduling	3
EPS	300	Educated Perspective Seminar	3
		Elective/Minor	

8th Semester

** ITE	393	Advanced Studies in ITE	3
** BUS	462	Operations Management	3
		(ITE Co-op recommended)	8
		Elective/Minor	

The following courses must be passed with a "C" or better before taking the next level courework: ITE 105, ITE 109, ITE 202, ITE 214, ITE 308, ITE 390.

* Offered fall semester only
** Offered spring semester only

*** Offered fall semester every other year
**** Offered spring semester every other year