

# PROGRAM OF STUDY - BS - INDUSTRIAL TECHNOLOGY

## BSIT ADVISING RECORD

Student \_\_\_\_\_

Advisor \_\_\_\_\_

Required IT Courses			62
IT 100	Introduction to Industrial Technology	1	
IT 101	Engineering Graphics Fundamentals	3	
IT 102	Engineering Graphics Applications	4	101
IT 111	Manufacturing Materials	4	
IT 112	Introduction to Manufacturing	4	101
----- ADVANCED STANDING REQUIRED FOR ALL IT CLASSES 200 AND ABOVE -----			
IT 206	Computer Methods in Ind. Tech.	4	
IT 208	Industrial Plastics	4	102,111,112,CHEM 121 or 151
IT 216	Metal Machining	4	102,111,112
IT 218	Metal Fabricating and Casting	4	102,111,112,CHEM 122 or 152
IT 221	Power Transmission	4	PHYS 201 or 251
IT 303	Apps of Obj Oriented Programming	4	206
IT 332	Industrial Electronics	4	221,PHYS 202 or 252
IT 363	Quality Assurance and Metrology	4	206,208,216,218, ENG 3XXJ, Ma251 or ISE306
IT 400	Senior Seminar	1	SR
IT 435	Industrial Instrumentation and Controls	4	303,332
IT 452	Contemporary Integrated Manufacturing	4	351 or 354
IT 462	Product Manufacturing	5	363,452

**Initial Setup & Program Acceptance**  
based on DARS dated \_\_\_\_\_

OU GPA \_\_\_\_\_ Date \_\_\_\_\_

Student \_\_\_\_\_ Chair \_\_\_\_\_

**Advisor Meetings (Professor & Date)**

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

### Required Focus Area (select one) 24

**Manufacturing Materials & Processes**

IT 320	Hydraulics & Pneumatics	4	221
IT 351	Production Tooling	4	208, 216, 218
IT 362	Product Documentation	4	206 & 208 or 216 or 218
IT464	Robotic Applications	4	332
IT ELEC		4	
IT ELEC		4	

**Manufacturing Information Technology**

IT 230	Manufacturing Computer Technology	4	206
IT 231	Manufacturing Database Apps	4	206
IT 337	Mfg Networks & Data Communications	4	230,332
IT 354	Auto Identification & Data Capture	4	231, 337
IT ELEC		4	
IT ELEC		4	

- NOTES**
- Minimum 192 hours, 36 hours of OU IT credit after transferring into IT, with at least 24 hours at or above the 300 level.
  - Must fulfill all university graduation requirements; GPA, general education, residence, etc.
  - All IT courses 200 level & above require **Advanced Standing** in addition to stated prerequisites.
  - Minimum 8 hours of IT electives. Any IT course **200 or above** not otherwise required may be used as an IT elective, with the exception of IT service courses (IT 104, 110, 117, 220 & 222). Courses required for one focus area may be used as electives under the other focus area. Some ISE courses may be used as IT Electives including ISE336, 402, 412, etc.  
See Technical Sales Certificate Below!
  - Select one T2C-**Global Perspective** course from the approved IT list.
  - IT 452 satisfies OPN requirement for the business minor and IT 462 is a T3 equivalent

**Required General Courses 60**

ENG 151	Freshman Composition	5	
ENG 3XXJ	Junior English	4	JR
COMS 103	Fundamentals of Public Speaking	4	
ECON 103	Principles of Microeconomics	4	
PSY101	General Psychology	5	
*T2 C - GP		4	
T2 A or H		4	
MATH 163A	Introduction to Calculus	4	
MATH 250	Introduction to Probability & Statistics	4	
Ma 251 or ISE 306	Probability & Statistics or Eng. Statistics	4	MATH 250
CHEM 121	Principles of Chemistry I	4	
CHEM 122	Principles of Chemistry II	4	CHEM 121
PHYS 201	Introduction to Physics	5	
PHYS 202	Introduction to Physics	5	PHYS 201

**Required Business Courses 24**

ACCT 101	Financial Accounting	4	
ACCT 102	Managerial Accounting	4	ACCT 101, ECON 103
BUSL 255	Law & Society	4	SOPH
FIN 310	Foundations of Finance	4	ACCT 102, MATH 251 or ISE 306,JR
MGT 202	Management	4	SOPH
MKT 202	Marketing Principles	4	ACCT 101

**General Electives 22**


**Technical Sales Certificate**

MKT 358 & 458 can be used as two IT Electives for Sales Candidates only!  
Use General Elective hours for these courses!  
See the College of Business - Sales Centre for specific requirements.

**Technical Sales Certificate Option 20**

MKT 358	Professional Selling Techniques	4	MKT 202
MKT 458	Sales Management	4	MKT 358
MKT 498	Internship	4	PERM
MKT 425 / 491	B2B Marketing or Seminar	4	MKT 202 / perm
COMS 206/310	Interpersonal Relations or Info. Diffusion	4	