

BGSU Firelands

2008 - 2009 Manufacturing

Associate of Applied Science in
Industrial Technology

Note: When viewing on-line, click any underlined course prefix to display current course descriptions (may not be available in some browsers).

Students are responsible for adhering to all college and university requirements and policies as stated in the BGSU Undergraduate Catalog. Pre-requisites shown below are for reference only.

Communications	Pre-Req	Cr	T	G
English 112 is required. Based on placement scores, ENG 110 or ENG 111 may also be required. No more than 6 hours of ENG 110/111/112 count toward graduation. IPC 102 or 306 is also required.				
ENG 110 <i>or</i> Developmental Writing	placement	5		
ENG 111 Introductory Writing		3		
ENG 112 Varieties of Writing		3		
IPC 306 <i>or</i> Interpersonal Communication		3		
IPC 102 Speech Communication				

Mathematics, Science, Computers	Pre-Req	Cr	T	G
MATH 128 or equivalent is required. Based on Placement tests, MATH 090 and/or MATH 095 may be advised. MATH 090 and MATH 095 do not count for graduation.				
MATH 090 Elementary Algebra	placement	3		
MATH 095 Intermediate Algebra		3		
MATH 112 <i>and</i> College Algebra I	placement	3		
MATH 122 <i>and</i> College Algebra II	MATH 112	3		
MATH 129 Trigonometry	MATH 122	2		
OR				
MATH 120 <i>and</i> College Algebra		5		
MATH 129 Trigonometry	MATH 120	2		
OR				
MATH 128 Precalculus Math	placement	5		
STAT 200 Using Statistics		3		
PHYS 201 College Physics I	Algebra & Trigonometry	5		
CS 101 <i>or</i> Introduction to Programming	MATH 095	3		
MIS 200 Intro to Management Information Systems				

BG Perspective Core Curriculum	Pre-Req	Cr	T	G
ECON 200 or 202 is required. Also select one course from the list of approved courses in the BG Perspective Core Curriculum listed in the BGSU Undergraduate Catalog.				
ECON	(S) see catalog	3		

Student Name _____
 PID # _____
 Student e-mail _____
 Adviser: **Dr. Haoyu Wang** _____
 e-mail: **haoyuw@bgnnet.bgsu.edu** _____
 office: **152 North Building** _____

Manufacturing Core	Pre-Req	Cr	T	G
MFG 126 Basic Metrology		1		
ENGT 220 Metallic Materials and Processes	see advisor	3		
MFG 240 <i>or</i> CNC Programming & Machining	ENGT 220 in major	3		
ENGT 345 Plastics & Composite Materials & Processes				
QS 265 Introduction to Lean Processes/Systems		3		
QS 360 Six Sigma Systems	QS 265 & STAT 200	3		

Engineering Graphics Core	Pre-Req	Cr	T	G
DESN 104 Design and Engineering Graphics I		3		
ENGT 110 Basic Computer-Aided Design	see advisor	3		
ENGT 210 Solid Modeling	ENGT 110	3		
ENGT 215 Engineering Design and Production Drawing	ENGT 210	3		

Manufacturing Major	Pre-Req	Cr	T	G
ENVT 270 is required. Select an additional 3 courses from those listed below and/or MFG 225, 290, 400, 424, 428; QS 370, 380, 460, 465; ENGT 320, 340. Topics courses TECH 226 and/or MFG 290 should total 3 credits				
ENVT 270 Occupational Safety and Hygiene		3		
MFG/QS/ENGT	see catalog	3		
MFG/QS/ENGT		3		
MFG/QS/ENGT		3		
ECT 191 Energy, Power, Instrumentation and Control		3		
ECT 248 <i>or</i> Industrial Equipment and Controls (PLC)	ECT 191	3		
ECT 310 Programmable Logic Controllers				
MGMT 300 Intro to Production & Operations Management	STAT 200	3		
MGMT 305 <i>or</i> Principles of Org & Management		3		
BAT 209 Management & Supervision				
TECH 226 Quality Systems (ISO 9000/TS 16949)		1-3		

Other Courses (not required)	Pre-Req	Cr	T	G
ENG 388 Introductory Technical Writing	junior standing	3		

MFG 112, 220, 227 and DESN 131, 203, and 204 are applicable to the degree program. See advisor for details.

Each student must complete a sufficient number of electives to earn a minimum of 62 semester hours. At least 15 hours must be completed at BGSU immediately before graduation. Please check with your adviser for appropriate course selections.

PROGRAM PLANNER - Manufacturing Major

	Fall	Spring	Summer	Fall	Spring	
Communication						
Math, Science						
Computers						
BG Perspective						
Manufacturing	MFG 126 ENGT 220			MFG 240 or ENGT 345		
Industrial Management	QS 265	ENVT 270		STAT 200	QS 360	
Design	DESN 104			ENGT 215		
CAD	ENGT 110	ENGT 210				
Major Electives						
TOTAL CREDITS						

ADVISER'S NOTES:

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