

BGSU Firelands

Spring 2017 Manufacturing

Associate of Applied Science in
Industrial Technology

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
GSW 1120 is required. Based on placement scores, GSW 1100 or GSW 1110 may also be required. No more than 6 hours of GSW 1100/1110/1120 count toward graduation. COMM 1020 or 3060 is also required.				
GSW 1100 or Intensive Intro. to Academic Writing	placement	5		
GSW 1110 Intro. to Academic Writing		3		
GSW 1120 Academic Writing		3		
COMM 3060 or Interpersonal Communication		3		
COMM 1020 Intro. to Communication				

Mathematics, Science, Computers	Pre-Req	Cr	T	G
MATH 1280 or equivalent is required. Based on Placement tests, MATH 90 and/or MATH 95 may be advised. MATH 90 and MATH 95 do not count for graduation.				
MATH 90 Elementary Algebra	placement	3		
MATH 95 Intermediate Algebra		3		
MATH 1120 & College Algebra I	placement	3		
MATH 1220 & College Algebra II	MATH 1120	3		
MATH 1290 Trigonometry	MATH 1220	2		
OR				
MATH 1200 & College Algebra		5		
MATH 1290 Trigonometry	MATH 1200	2		
OR				
MATH 1280 Precalculus Math	placement	5		
STAT 2000 Using Statistics		3		
PHYS 2010 College Physics I	Algebra & Trigonometry	5		
CS 1010 or Introduction to Programming	MATH 95	3		
MIS 2000 Intro to Management Information Systems				

BG Perspective Core Curriculum	Pre-Req	Cr	T	G
ECON 2000 or 2020 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 _____

BGSU ID _____

Student e-mail _____

Advisor: **D** _____

e-mail: **D** _____

office: **1** _____

Manufacturing Core	Pre-Req	Cr	T	G
MFG 1260		1		
ENGT 2200 Metallic Materials and Processes	see advisor	3		
MFG 2400 or CNC Programming & Machining	ENGT 2200	3		
ENGT 3450 Plastics & Composite Materials & Processes	in major			
QS 2650 Introduction to Lean Processes/Systems		3		
QS 3600 Six Sigma Systems	QS 2650 & STAT 2000	3		

Engineering Graphics Core	Pre-Req	Cr	T	G
DESN 1040 Design and Engineering Graphics I		3		
ENGT 1100 Basic Computer-Aided Design	see advisor	3		
ENGT 2100 Solid Modeling	ENGT 1100	3		
ENGT 2150 Engineering Design and Production Drawing	ENGT 2100	3		

Manufacturing Major	Pre-Req	Cr	T	G
ENVT 2700 is required. Select an additional 3 courses from those listed below and/or MFG 2250, 2900, 4000, 4240 4280; QS 3700, 3800, 4600, 4650; ENGT 3200, 3400. Topics courses TECH 2260 and/or MFG 2900 should total 3 credits				
ENVT 2700 Occupational Safety and Hygiene		3		
MFG/QS/ENGT	see catalog	3		
MFG/QS/ENGT		3		
MFG/QS/ENGT		3		
ECT 1910 Energy, Power, Instrumentation and Contro		3		
ECT 2480 or Industrial Equipment and Controls (PLC)	ECT 1910	3		
ECT 3100 Programmable Logic Controllers				
MGMT 3000 Intro to Production & Operations Management	STAT 2000	3		
MGMT 3050 or Principles of Org & Management				
BAT 2090 Management & Supervision		3		
TECH 2260 Quality Systems (ISO 9000/TS 16949)		1-3		

Other Courses (not required)	Pre-Req	Cr	T	G
ENG 3880 Introductory Technical Writing	junior standing	3		

MFG 1120, 2200, 2270 and DESN 1310, 2030, and 2040 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 credit hours must be BGSU courses. Please check with your advisor for appropriate course selections.

PROGRAM PLANNER - Manufacturing Major

	Fall	Spring	Summer	Fall	Spring		
Communication							
Math, Science							
Computers							
BG Perspective							
Manufacturing	MFG 1260 ENGT 2200			MFG 2400 or ENGT 2450			
Industrial Management	QS 2650	ENVT 2700		STAT 2000	QS 3600		
Design	DESN 1040			ENGT 2150			
CAD	ENGT 1100	ENGT 2100					
Major Electives							
TOTAL CREDITS							

ADVISOR'S NOTES:

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Students are responsible for adhering to all college and university requirements and policies as stated in the on-line BGSU UNDERGRADUATE CATALOG at:

www.bgsu.edu/catalog