

NAME _____
 ADDRESS _____
 PHONE (H) _____ (W) _____

List all course work taken.
 Semester Code: F=Fall S=Spring
 Transfer credits should be indicated with a "TR" in place of cr.

I. BSU Liberal Education

Written & Oral Communication

2 courses – min. 6 cr. Gr. Cr. When taken

Course	Gr.	Cr.	When taken
College Writing I			
College Writing II			

Critical Thinking

Course	Gr.	Cr.	When taken

Natural Sciences 2 courses-min. 7 cr. 1 lab req.

Course	Gr.	Cr.	When taken

Mathematical/Symbolic Systems 1 course-min. 3 cr.

Course	Gr.	Cr.	When taken

History, Social, & Behav. Sci. 2 courses-min. 6 cr.

Course	Gr.	Cr.	When taken

Humanities-Arts, Lit., & Phil. 2 courses-min. 5 cr.

Course	Gr.	Cr.	When taken

Human Diversity 1 course-min. 2 cr.

Course	Gr.	Cr.	When taken

Global Perspective 1 course-min. 3 cr.

Course	Gr.	Cr.	When taken

Ethical & Civic Responsibility 1 course-min. 2 cr.

Course	Gr.	Cr.	When taken

People and the Environment 1 course-min. 3 cr.

Course	Gr.	Cr.	When taken

Performance & Participation

1 or more cr.

Course	Gr.	Cr.	When taken

Control Engineering Technology 71-73 cr

I. Required Physics Technical Core 41 - 43cr			
Note: Asterisked (*) courses have prerequisites not included in this major or require consent of instructor. Entry into <u>MATH 2171</u> Concepts of Calculus I requires suitable scoring on a Math Placement exam. Students needing a review of algebra and trigonometry will need to modify this schedule and may not complete the program in four years. See the Physics Department Chair or your advisor for alternative schedules.			
IT 1460 Technical Graphics (AutoCAD)	3		
MATH 2171 Concepts of Calculus I	5		
MATH 2172 Concepts of Calculus II	3		
PHYS 1101 General Physics I or *2101 Physics I	4 or 5		
PHYS 1102 General Physics II or *2102 Physics II	4 or 5		
PHYS 1230 Intro to Engineering	2		
PHYS 2150 Acquisition and Control with G Programming	3		
*PHYS 2500 Electronics I	4		
PHYS 3150 Circuit Analysis	4		
PHYS 3400 Math Methods for Engineering	3		
*PHYS 3500 Electronics II	4		
PHYS 4720 Applied Controls	2		
II. Required Industrial Technology Professional Core 18 Cr			
IT 3870 Technical Sales/Presentations	2		
IT 3880 Human Resource Development	2		
IT 3890 Material Handling and Plant Layout	2		
IT 4877 Industrial Maintenance and Safety	3		
IT 4878 Quality Assurance	3		
IT 4890 Industrial Organization and Leadership	3		
IT 4897 Project Management	3		
III. Required Electives (Select 12 credits):			
*IT 2608 Computer-Controlled Machining	3		
*IT 3218 Advanced Machining Processes	3		
IT 3460 Parametric 3D Modeling	3		
IT 3877 Engineering Problem Solving	3		
IT 3879 Performance Measurement	3		
*PHYS 4751 Engineering Design Project I	2		
*PHYS 4752 Engineering Design Project II	2		
Total Credits required to graduate	128		