

Mechatronics Engineering Technology

BG PERSPECTIVE (BGP) REQUIREMENTS:

Course _____ Credits _____

Must complete at least 1 course in each of the following:

English Composition and Oral Communication

Quantitative Literacy

Must complete at least 2 courses in each of the following:

Humanities and the Arts

Natural Sciences - at least one Lab Science required

Social and Behavioral Sciences

Complete total required BGP credit hours by selecting courses from any of the above categories:

UNIVERSITY REQUIREMENTS

Note: Designated courses in the Humanities and the Arts, and the Social and Behavioral Sciences domains may be used to fulfill both a BGP requirement and one of the following university requirements:

Cultural Diversity in the U.S. _____

International Perspective _____

Composition Requirement:

_____ WRIT 1120 Research Writing _____

Total BGP Credits: Must be at least 36

+ These must be in the management/business area.

** These courses may be used to meet BG Perspective requirements, but hours are counted only once.

See the Undergraduate Catalog, www.bgsu.edu/catalog

NOTES:

- Due to the cooperative education requirement, in order to complete this program in four years, it is necessary for the student to either enroll in co-op hours or coursework during the summer as well as during the academic year. If a student is not able to do so, this program will take five years to complete.

Courses Required for Major

Cooperative Education

_____ TECH 2890 Co-op	1
_____ TECH 3890 Co-op	1

Concentration

_____ ROBO 1010 Sensors & Actuators	3
_____ ROBO 2080 Industrial Robotics & Automation	3
_____ ROBO 4500 Senior Design Project	3
_____ ECET 2400 Electric Circuits	3
_____ ECET 2410 Electronic Circuits	3
_____ ECET 2490 Dig Elec Comp & Sys (prereq ECET 1960)	3
_____ ECET 3000 Electrical Machinery	3
_____ ECET 3100 Prog Logic Controllers	3
_____ ECET 3490 Digital Computer Analysis	3
_____ ENGT 1100 Computer Aided Design	3
_____ ENGT 2100 Solid Modeling	3
_____ ENGT 2200 Met Mtl's & Proc	3
_____ ENGT 2400 Statics	3
_____ ENGT 2480 Dynamics	3
_____ ENGT 3480 Thermodynamics	3
_____ QS 3550 Foundations of Lean OR	3
_____ QS 3710 Six Sigma Systems	3
_____ QS 4850 Quantitative Tools for Qual & Cont Impr	3
_____ SYE 2010 Eng. Economics	3

Other Required Courses

_____ CS 2010	3
_____ ECON 2000**	3
_____ ENG 3880	3
_____ COMM 1020**	3
_____ MATH 1280**	5
_____ MATH 1310** OR MATH 1340** AND 1350	5-6
_____ MATH 2470	3
_____ MATH 2910	3
_____ PHYS 2010**	5
_____ PHYS 2020**	5
_____ TECH 3020	3

Technical Electives - By Advisement

_____ ECET 1960	3
_____ ECET 4410	3
_____ ECET 4530	3
_____ ENGT 2450	3
_____ ENGT 4000	3
_____ TECH 4400	3
_____ TECH 4890	1

Non-Technical Electives

_____ Choose any non-technical electives	3
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Total Minimum Program Hours

122 Hrs

Important information on the back.

College of Technology, Architecture and Applied Engineering

General Information for all students in the College

In addition to completing all requirements on the checksheet, students are responsible for:

Matriculation

Full admittance to a major in a College of Technology, Architecture and Applied Engineering program will become effective when a student has:

1. Attained an overall BGSU grade point average of at least 2.25 for all courses taken prior to applying for matriculation and a 2.5 in courses in the major;
2. Completed a cooperative education experience—TECH 2890 (Aviation Studies, Architecture, LDT and QS majors are exempt from this requirement);
3. Completed with a grade of “C” or better in all bold courses , as specified on program checksheets;
4. Applied for matriculation. Applications are available from the Undergraduate Student Services Office.

The steps listed above must be completed before students will be permitted to register for 3000- and 4000-level courses in the College of Technology, Architecture and Applied Engineering.

Co-op

All students in the College are required to complete 2 or 3 co-ops, depending on your major. **THIS IS A COURSE.** It carries credit and is graded. It is full time (40 hrs/week) for the entire semester or part-time (20 hrs/week) for two consecutive semesters, paid and must be directly related to your major. All students **MUST** complete the Co-op Orientation available in Canvas.

Email

Official University email accounts are required for all BGSU students. Official BGSU email addresses are in the form: BGSUusername@bgsu.edu. At the time of admission or initial registration, all students will receive a bgsu.edu email account. Students may anticipate that official University correspondence will be sent to this email account and they should access BGSU email on a regular and timely basis. All correspondence from Undergraduate Student Services will be sent to your BGSU email.

Checksheet

The checksheet should be used in conjunction with the degree audit and advising to track progress toward degree completion.