

**MECHANICAL DESIGN PROGRAM  
COLLEGE OF TECHNOLOGY**

2006-2007

**B.S. In Technology**

<b>Courses Required For Major</b>		<b>Other Required Courses</b>		<b>BG Perspective Core Courses*</b>	
Cooperative Education	12 HRS	University	42 HRS		24 HRS
<b>TECH 289 Co-op</b>	<b>4</b>	<b>PHYS 201 College Physics I*</b>	<b>5</b>	Natural Sciences #	
TECH 389 Co-op	4	PHYS 202 College Physics II*	5		3
TECH 489 Co-op	4	TECH 302 Technology & Society*	3		3
Concentration	54 HRS	ECON 200 Intro to Economics*	3	Humanities & Arts #	
<b>DESN 104 Desn/Eng Graph I</b>	<b>3</b>	STAT 200 Using Statistics	3		3
<b>DESN 131 Basic CAD</b>	<b>3</b>	<b>CS 101 Intro to Programming</b>	<b>3</b>		3
<b>DESN 203 CAD Model &amp; Desn</b>	<b>3</b>	<b>ENG 112 Varieties of Writing</b>	<b>3</b>	Social & Behavioral Sciences #	
<b>DESN 204 Eng Desn &amp; Prod Dev</b>	<b>3</b>	ENG 388 Intro to Tech Writing	3		3
<b>DESN 243 Statics &amp; Strength</b>	<b>3</b>	<b>MATH 128 Precalculus Math</b>	<b>5</b>		3
DESN 303 3-D Parametric Desn	3	MGMT 305 Prin of Organ & Mgmt	3		3
DESN 304 Mechanical Design	3	MGMT 361 Human Resc Mgmt	3	Cultural Diversity in U.S. #	
DESN 305 Technical Illustration	3	Business Elective (300 or above)	3		3
DESN 404 CAD Sim & Analysis	3			Core Elective #	
DESN 452 Desn in Industry	3	<b>Free Electives</b>	<b>2 HRS</b>		3
ECT 196 Elec-Electronic Sys	3				
<b>MFG 112 Intro to Manufacturing</b>	<b>3</b>				
MFG 220 Met Mat'l & Process	3				
MFG 329 Plastics Mat'l & Process	3				
MFG 400 Mat'l Prop & Heat Treat	3				
TECH 223 Mech Power Trans	3				
TECH 323 Fluid Power Trans	3				
Tech Elective by advisement	3				

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

- Students must take 40 hours at 300-400 level
- Matriculation courses are shown in **BOLD PRINT**

\* One selected course must have an international perspective as designated in the approved courses.

# See undergraduate catalog, [www.bgsu.edu/catalog](http://www.bgsu.edu/catalog)

Summary

Major	66 HRS
Other required courses	42 HRS
BG Perspective Core	24 HRS
Total Minimum Program Hours	122 HRS
Penalty Hours	___ HRS
Articulation Penalty	___ HRS

In Addition, overall grade point average (GPA) must be 2.25 or higher and the technology GPA must be 2.5 or higher. All courses required for matriculation must be completed with a letter grade of "C" or better.

Please note: 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 course-work 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.