

# The University of Toledo

## Department of Bioengineering

### BSBE Checkout Sheet

### Honors Pre-Med

Name \_\_\_\_\_ Entrance Date \_\_\_\_\_ Rocket ID \_\_\_\_\_

Advisor \_\_\_\_\_  Honors  Minor(s) \_\_\_\_\_

Mathematics		Hrs. 15	Grade
MATH 1850	Calculus I	4	
MATH 1860	Calculus II	4	
MATH 2850	Multivariable Calc	4	
MATH 2860	Diff. Equations	3	

Basic Sciences		Hrs. 28	Grade
CHEM 1230	Gen. Chem I	4	
CHEM 1280	Chem Lab I	1	
CHEM 1240	Gen. Chem II	4	
CHEM 1290	Chem Lab II	1	
PHYS 2130	Gen. Physics I	5	
PHYS 2140	Gen. Physics II	5	
BIOL 2170	Fund. of Life Sc. II	4	
BIOL 2180	Fund. of Life Sc. Lab II	1	
BIOL 3030	Cell Biology	3	

Other Non Technical Courses		Hrs. 6	Grade
HON 1010	Readings Conference I	3	
HON 1020	Readings Conference II	3	

Other Required Technical		Hrs. 7	Grade
CIVE 1150	Eng Mechanics: Statics	3	
EECS 2300	Electrical Circuits	4	

Required Bioeng. Courses		Hrs. 42	Grade
BIOE 1000	Orient. & Intro to BIOE	3	
BIOE 1010	Professional Development	1	
BIOE 1200	Computer Applications	3	
BIOE 2100	Bioengr. Thermodynamics	3	
BIOE 2200	Biomaterials	3	
BIOE 3110	Intro to Biomechanics	3	
BIOE 3300	Biomedical Electronics	3	
BIOE 3400	Biotransport Phenomena	3	
BIOE 3500	Bioprocessing Lab	3	
BIOE 4100	Physiology for Bioengineers	3	
BIOE 4120	Biosignal Processing	3	
BIOE 4140	Bioelectronics Laboratory	2	
BIOE 4300	Analysis of Bioeng. System	3	
BIOE 4410	Senior Design I	3	
BIOE 4420	Senior Design II	3	

Bioengineering Tech. Electives*		Hrs. 19	Grade
BIOL 3040	Cell Biology Laboratory	2	
CHEM 2410	Organic Chemistry I	3	
CHEM 2460	Organic Chemistry Lab I	1	
CHEM 2420	Organic Chemistry II	3	
CHEM 2470	Organic Chemistry Lab II	1	
BIOE 4____		3	
BIOE 4____		3	

\*Two of these must be BIOE 4000 level courses

<b>Humanities-6 Hrs.</b>  _____  <i>(Must be in different departments.)</i>  _____  <b>Multicultural requirements</b> <b>Diversity of US Culture-3 Hrs.</b> <b>Non-Western-3 Hrs.</b>  _____  <i>(Signify by an (*) the double-dip course.)</i>	<b>Social Sciences-6 Hrs.</b>  _____  _____  _____  _____  _____
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Minor Courses (optional)	Hrs.	Grade

Co-op Experiences		Hrs.	Grade
BIOE 3940:001	Co-op #1	1	
BIOE 3940:002	Co-op #2	1	
BIOE 3940:003	Co-op #3	1	
BIOE 3950:001	Co-op #4	1	
BIOE 3950:002	Co-op #5	1	