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 3860	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	

Humanities-6 Hrs. **Social Sciences-6 Hrs.**

_____ _____

(Must be in different departments.)

_____ _____

Multicultural requirements

Diversity of US Culture-3 Hrs. **Non-Western-3 Hrs.**

_____

(Signify by an (*) the double-dip course.)

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	4	
BIOE 3400	Biotransport Phenomena	3	
BIOE 3500	Bioprocessing Lab	3	
BIOE 4100	Physiology for Bioengineers	3	
BIOE 4120	Biosignal Processing	4	
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**

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	

March 2009