

Name: \_\_\_\_\_

Student ID: \_\_\_\_\_

## Bioengineering Minor Tracking Sheet

<i>Required Core Courses (Total courses required = 2)</i>			
<i>Course Number</i>	<i>Course Title</i>	<i>Credits</i>	<i>Grade Earned &amp; Semester Taken</i>
BNG 255	Biology for engineers (no prereqs)	3	
BNG 321	Quantitative Physiology (prereq: BNG 255 or BIO 121)	3	
	<b>Subtotal # Required Core Credits Required</b>	<b>6</b>	
<i>Elective Core Courses (Total courses required = 2) (attach list as needed)</i>			
BNG 312	Biotransport (prereq: BNG 255 or BIO 121)	3	
BNG 315	Biomechanics (prereq: PHY 111 or 113, BNG 255 or BIO 121, EGR 241, coreq MTH 212 and BNG 317*)	3	
BNG 316	Biomaterials (prereq: BNG 255 and BNG 319 or CHM 251)	3	
BNG 318	Biomeasurement and Control (prereq: ECE 211+251 or ECE 201, and PHY 112 or PHY 114)	3	
BNG 219	Chemical Methods in Bioengineering (prereq: CHM 152* and BNG 255 or BIO 121)	3	
	<b>Subtotal # Elective Core Credits Required</b>	<b>6</b>	
<i>Technical Elective Courses (Total courses required = 2) (attach list as needed)</i>			
BNG 412	Molecular Bioengineering (prereq: BNG 255 or BIO 121)	3	
BNG 415	Implantable Structures & Sensors (prereq: BNG 316)	3	
BNG 416	Biomedical Devices	3	
BNG 417	Nanotechnology in Bioengineering Systems (prereq: BNG 316, 321)	3	
BNG 418	Biological Interactions of Material Surfaces (prereq: BNG 316, 321)	3	
BNG 419	Biomimetics	3	
BNG 424	Human Organogenesis (prereq: BNG 255 or BIO 121)	3	
BNG 425	Mechanobiology (prereq: BNG 315* and BNG 321)	3	
	<b>Subtotal # Technical Elective Credits Required</b>	<b>6</b>	

### ***Prerequisite or Other Additional Requirements:***

\* Courses may be waived by the chairperson for the BNG minor students only.

BNG Minor Admission requirement: Minimum cumulative GPA of 2.5

A minimum grade in each course leading to the BNG minor: C-

Completion of the minor: minimum cumulative GPA 2.0 of the BNG minor

- Students shall work with their faculty advisors on the suitability of the Technical Elective courses they choose.
- While not required, students should consider completing Chemistry if interested in topics such as Biomaterials.