

**Tuskegee University Chemical  
Engineering Curriculum  
Biochemical Engineering Option**

**Freshman Year**

<u>1<sup>st</sup> Semester</u>			<u>2<sup>nd</sup> Semester</u>		
OREN 100	Orientation	1	OREN 101	Orientation	1
MATH 207	Calculus I	4	MATH 208	Calculus II	4
ENGL 101	English Comp.	3	ENGL 102	English Comp.	3
CHEM 231	General Chem. I	4	CHEM 232	General Chem. II	4
CHEM 233	General Chem. Lab. I	1	CHEM 234	General Chem. Lab. II	1
	Historical Analysis	3	CENG 110	Intro. Chem. Eng.	1
			PHED	Physical Education	1
				Soc. Behavioral	3
		<hr style="width: 50%; margin: 0 auto;"/> 16			<hr style="width: 50%; margin: 0 auto;"/> 18

**Sophomore Year**

<u>1<sup>st</sup> Semester</u>			<u>2<sup>nd</sup> Semester</u>		
PHYS 310	Gen. Physics I	3	CENG 250	Chem. Eng. Thermo. I	3
PHYS 313	Gen. Physics Lab. I	1	CENG 220	Fluid Mechanics	3
CENG 210	Matl. & Eneg. Balances	4	PHYS 311	Gen. Physics II	3
MATH 209	Calculus III	4	MATH 307		

CENG 400	Intro. biochem Eng.	3	EENG 380L	Principles of Elec. Eng.	3
BIOL 301	Gen. Microbiology	3	CENG 420	Elec. Eng. Lab	1
BIOL 230	Cell & Gen. Biology	3	CENG 415	Unit Operations Lab. II	1
				Bioseparation Eng.	3
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**Total Degree Hours = 131**

8/2015