

I UTEP BIOCHEMISTRY

BACHELOR OF SCIENCE IN BIOCHEMISTRY

Check boxes as you take classes. Bold are UTEP required CORE courses

<i>Freshman Year</i>				
Fall Semester		hrs	Spring Semester	hrs
<input type="checkbox"/> Biology (General I)	1305	3	<input type="checkbox"/> Biology (General II)	1306 3
<input type="checkbox"/> Biology (Gen. I lab)	1107	1	<input type="checkbox"/> Biology (General II lab)	1108 1
<input type="checkbox"/> Chemistry (General I)	1305	3	<input type="checkbox"/> Chemistry (General II)	1306 3
<input type="checkbox"/> Chemistry (Lab)	1105	1	<input type="checkbox"/> Chemistry (Lab)	1106 1
<input type="checkbox"/> Math (Calculus I)	1411	4	<input type="checkbox"/> RWS (Rhetoric & Composition 1)	1301 3
<input type="checkbox"/> Univ	1301	3	<input type="checkbox"/> History (American Pre-1865)	1301 3
			<input type="checkbox"/> Math (Calculus II)	1312 3
		<hr/> 15		<hr/> 17

<i>Sophomore Year</i>				
Fall Semester		hrs	Spring Semester	hrs
<input type="checkbox"/> Chemistry (Majors' Organic I)	2321	3	<input type="checkbox"/> Microbiology (General Micro)	2340 3
<input type="checkbox"/> Chemistry (Org Lab)	2221	2	<input type="checkbox"/> Microbiology (General Micro Lab)	2141 1
<input type="checkbox"/> RWS (Rhetoric & Comp 2)	1302	3	<input type="checkbox"/> Chemistry (Organic II)	2322 3
<input type="checkbox"/> Statistics	2480	4	<input type="checkbox"/> Chemistry (Org Lab)	2222 2
<input type="checkbox"/> Physics (Mechanics)	2420	4	<input type="checkbox"/> Chemistry (Biochemistry I)	3330 3
			<input type="checkbox"/> Chemistry (Biochemistry Lab I)	3131 1
			<input type="checkbox"/> History (American post 1865)	1302 3
		<hr/> 16		<hr/> 16

<i>Junior Year</i>				
Fall Semester		hrs	Spring Semester	hrs
<input type="checkbox"/> Biology (Genetics)	3320	3	<input type="checkbox"/> Biology (Mol. Cell Biol.)	3314 3
<input type="checkbox"/> Chemistry (Biochemistry II)	3332	3	<input type="checkbox"/> Biology (Mol. Cell Biol. Lab)	3115 1
<input type="checkbox"/> Core (Creative Arts - see list on back)	2000	3	<input type="checkbox"/> Chem (Biophysical Chem)	4335 3
<input type="checkbox"/> Core (Social Behavioral Sciences)	2000	3	<input type="checkbox"/> Communication	1301 3
<input type="checkbox"/> Physics (Electromagnetism)	2421	4	<input type="checkbox"/> Core (Language, Philosophy, Culture)	2000 3
		<hr/> 16		<hr/> 13

<i>Senior Year</i>				
Fall Semester		hrs	Spring Semester	hrs
<input type="checkbox"/> Chemistry (Analytical)	3310	3	<input type="checkbox"/> Micro (Pro. Mol. Gen.)	3449 4
<input type="checkbox"/> Chemistry (Analytical lab)	3110	1	<input type="checkbox"/> Chemistry (PeriodicTable)	2261 2
<input type="checkbox"/> Chem (Structural Biochem)	4334	3	<input type="checkbox"/> Elective from list on back	3000 3
<input type="checkbox"/> Chem (Struct Biochem Lab)	4134	1	<input type="checkbox"/> Elective from list on back	3000 3
<input type="checkbox"/> Political Science	2310	3	<input type="checkbox"/> Elective from list on back	3000 1
<input type="checkbox"/> Political Science	2311	3		<hr/> 13
		<hr/> 14		

Total Credit Hours for the Degree = 120
Total Core Course Hours = 40

Required Electives: select 7 hours from the list below.

BIOL 4223	Trans Electron Microscopy	5
& BIOL 4322	and Biol Ultrastruc Interpretation	
BIOL 4388	Mammalian Physiology	3
CHEM 3152	Lab for Chemistry 3352	4
& CHEM 3352	and Physical Chemistry	
CHEM 4176	Introduction to Research	1
CHEM 4211	Instrumental Meths Analyt Chem	4
& CHEM 4212	and Lab for Chemistry 4211	
CHEM 4328	Advanced Topics Organic Chem	3
CHEM 4362	Structure of Matter	3
CHEM 4365	Inorganic Chemistry	3
CHEM 4376	Introduction to Research	3
CHEM 4380	Polymer Chemistry	3
MICR 3328	Microorganisms in Ecosystems	3
MICR 3144	Pathogenic Microbiology Lab	4
& MICR 3343	and Pathogenic Microbiology	
MICR 3146	Microbial Physiology Lab	4
& MICR 3345	and Microbial Physiology	
MICR 4329	Epidemiology	3
MICR 4351	General Virology	3
MICR 4355	Medical Mycology	3
ZOOL 4181	Vertebrate Physiology Methods	1
ZOOL 4380	Vertebrate Physiology	3
ZOOL 4384	Neurobiology	3

CORE: Language, Philosophy and Culture (3 hrs required)

ENGL 2311	English Literature (C) (ENGL 2322)	3
ENGL 2312	English Literature (C) (ENGL 2323)	3
ENGL 2313	Intro to American Fiction (C) (ENGL 2342)	3
ENGL 2314	Intro to American Drama (C) (ENGL 2343)	3
ENGL 2318	Intro to American Poetry (C) (TCCN applied for)	3
FREN 2322	Making of the "Other" Americas	3
HIST 2301	World History to 1500 (C) (HIST 2321)	3
HIST 2302	World History Since 1500 (C) (HIST 2322)	3
PHIL 1301	Introduction to Philosophy (C)	3
PHIL 2306	Ethics (C)	3
RS 1301	Introduct to Religious Studies	3
SPAN 2340	Seeing & Naming: Conversations	3
WS 2300	Introduction to Womens Studies	3
WS 2350	Global Feminisms	3

CORE: Creative Arts (3 hrs required)

ART 1300	Art Appreciation (C) (ARTS 1301)	3
ARTH 1305	History of Art I (C) (ARTS 1303)	3
ARTH 1306	History of Art II (C) (ARTS 1304)	3
DANC 1304	Dance Appreciation (C) (DANC 2303)	3
MUSL 1324	Music Appreciation (C) (MUSI 1306)	3
MUSL 1327	Jazz to Rock (C) (MUSI 1310)	3
MUSL 2321	Intro to Music History	3
THEA 1313	Introduction to Theatre (C) (DRAM 1310)	3
FILM 1390	Intro-Art of Motion Pict. (C) (DRAM 2366)	3

CORE: Social and Behavioral Sciences (3 hrs required)

ANTH 1301	Intro-Phys Anth/Archeolog (C) (ANTH 2301)	3
ANTH 1302	Intro-Cultural Anthropology(C) (ANTH 2351)	3
ANTH 1310	Cultural Geography	3
ANTH 2320	Intro to Linguistics (C)	3
CE 2326	Econ for Engrs & Scientists	3
COMM 2350	Interpersonal Communication	3
COMM 2372	Mass Media and Society	3
ECON 2303	Principles of Economics (C) (ECON 2301)	3
ECON 2304	Principles of Economics (C) (ECON 2302)	3
EDPC 1301	Introduction to Ed Psychology	3
EDU 1342	Action Research in Classrooms	3
ENGL 2320	Introduction to Linguistics(C)	3
GEOG 1310	Cultural Geography (C) (GEOG 1302)	3
LING 2320	An Intro. to Linguistics (C)	3
LING 2340	Lang. Inside & Out: Sel Topics	3
PSYC 1301	Introduction to Psychology (C) (PSYC 2301)	3
SOCI 1301	Introduction to Sociology (C)	3
SOCI 1310	Cultural Geography	3