

UTEP College of Science: Bachelor of Science Degree Plan

MICROBIOLOGY

UNIVERSITY CORE CURRICULUM for this MAJOR

A maximum of 66 hours may be transferred from two-year institutions to UTEP degree programs

COURSE NAME	UTEP	EPCC
A General Education		
(Minimum "C" grades required)		
1 Communication (6 credits)		
Rhetoric & Composition I	RWS 1301	ENGL 1301
Rhetoric & Composition II	RWS 1302	ENGL 1302
Rhetoric, Composition, & Communication	RWS 1601	no equivalent
Expository English Composition for Speakers of ESL	ESOL 1311	no equivalent
Expository English Composition for Speakers of ESL	ESOL 1312	no equivalent
Written and Oral Communication	COMM 1611	no equivalent
2 Mathematics (PreCalculus plus 7 or 8 additional credits)		
PreCalculus	MATH 1508	MATH 1314 & 2413
Calculus I	MATH 1411	MATH 2412
<i>AND choose one of the following:</i>		
Calculus II	MATH 1312	2314
Statistical Methods	STAT 2480	no equivalent
3 Life and Physical Sciences (8 credits) - choose 1 sequence		
<i>Physics for non-majors:</i>		
General Physics	PHYS 1403	PHYS 1301-1101
General Physics II	PHYS 1404	PHYS 1302-1102
<i>Physics for majors:</i>		
Physics I (Introd. Mechanics)	PHYS 2420	PHYS 2325-2125
Physics II (Waves & Fields)	PHYS 2421	PHYS 2326-2126
4 Language, Philosophy, & Culture (3 credits) - choose 1 course		
English Literature (to 1700's)	ENGL 2311	ENGL 2322
English Literature (1700's - Modern)	ENGL 2312	ENGL 2323
Intro to American Fiction	ENGL 2313	ENGL 2324
Introduction to American Drama	ENGL 2314	ENGL 2343
Introduction to American Poetry	ENGL 2318	no equivalent
World History to 1500	HIST 2301	HIST 2321
World History since 1500	HIST 2302	HIST 2322
Introduction to Philosophy	PHIL 1301	PHIL 1301
Introduction to Ethics	PHIL 2306	PHIL 2306
Making of the Other Americas	FREN 2322	no equivalent
Introduction to Religious Studies	RS 1301	no equivalent
Seeing & Naming: Conversations	SPAN 2340	no equivalent
Introduction to Women's Studies	WS 2300	no equivalent
Global Feminisms	WS 2350	no equivalent
5 Creative Arts (3 credits) - choose 1 course		
Art Appreciation	ART 1300	ARTS 1301
History of Art I (Pre-Renaissance Art History)	ARTH 1305	ARTS 1303
History of Art II (Renaissance & Modern Art History)	ARTH 1306	ARTS 1304
Dance Appreciation	DANC 1304	DANC 2303
Introduction to Art of Motion/Film	FILM 1390	DRAM 2366
Introduction to Music History	MUSL 1321	MUSI 1307
Music Appreciation	MUSL 1324	MUSI 1306
Jazz to Rock	MUSL 1327	MUSI 1310
Introduction to Theater	THEA 1313	DRAM 1310

COURSE NAME	UTEP	EPCC
6 American History (6 credits) - must take both		
History of the U.S. to 1865	HIST 1301	HIST 1301
History of the U.S. since 1865	HIST 1302	HIST 1302
7 Government/Political Science (6 credits)**		
Introduction to Politics	POLS 2310	GOVT 2305
American Government & Politics	POLS 2311	GOVT 2306
8 Social and Behavioral Sciences (3 credits) - choose 1 course		
Intro to Physical Anthropology & Archaeology	ANTH 1301	ANTH 2346
Intro to Social & Cultural Anthropology	ANTH 1302	ANTH 2351
Cultural Geography	ANTH 1310	no equivalent
Introduction to Linguistics	ANTH 2320	no equivalent
Economics for Engineers and Scientists	CE 2326	no equivalent
Interpersonal Communication	COMM 2350	no equivalent
Mass Media and Society	COMM 2372	COMM 1307
Principles of Macroeconomics	ECON 2303	ECON 2301
Principles of Microeconomics	ECON 2304	ECON 2301
Introduction to Educational Psychology	EDPC 1301	no equivalent
Action Research in Classrooms	EDU 1342	no equivalent
Introduction to Linguistics	ENGL 2320	no equivalent
Cultural Geography	GEOG 1310	no equivalent
An Introduction to Linguistics	LING 2320	no equivalent
Language Inside and Out: Select Topics	LING 2340	no equivalent
Introduction to Psychology	PSYC 1301	PSYC 2301
Introduction to Sociology	SOCI 1301	SOCI 1301
Cultural Geography	SOCI 1310	no equivalent
9 Component Area Option (6 credits) - choose 2 courses		
Introduction to Global Business	BUSN 1301	no equivalent
Public Speaking	COMM 1301	SPCH 1315
Business/Professional Communication	COMM 1302	SPCH 1321
Intro-Computational Thinking	CS 1310	no equivalent
Computer Programming Sci/Eng	CS 1320	no equivalent
Scientific Inquiry	SCI 1301	no equivalent
Seminar/Critical Inquiry	UNIV 1301	EDUC 1300

IMPORTANT

- 1 It is recommended that both Political Science courses be completed at EPCC then transferred to UTEP or both be completed at UTEP.
- 2 All courses used to satisfy the core curriculum must be completed with a grade of "C" or better. This also applies to courses transferred from
- 3 No substitutions will be allowed in the Core Curriculum.

**UTEP College of Science: Bachelor of Science Degree Plan
Microbiology**

LOWER DIVISION COURSES for the MAJOR

	COURSE NAME	UTEP	EPCC
B MAJOR: MICROBIOLOGY (42/32)			
	Microbiology Courses (33 credits)		
	General Biology	BIOL 1305-1107	BIOL 1306-1106
	Organismal Biology	BIOL 13061108	BIOL 1307-1107
	General Microbiology	MICR 2340-2141	BIOL 2421
	Molecular and Cellular Biology	BIOL 3314-3115	no equivalent
	Pathogenic Microbiology	MICR 3343-3144	no equivalent
	Microbial Physiology	MICR 3345-3146	no equivalent
	Prokaryotic Molecular Genetics	MICR 3449	no equivalent
	Immunology	MICR 4353-4154	no equivalent
	Professional Development	BIOL 3192	no equivalent
	Additional Semester Hours in Major (9 credits)		
	(upper-division courses)		
	<i>Strongly Recommended for Pre Med:</i>		no equivalent
	Genetics (BIOL 3320)		

	COURSE NAME	UTEP	EPCC
C Required Chemistry Courses (19 credits)			
	General Chemistry I	CHEM 1305-1105	CHEM 1311-1111
	General Chemistry II	CHEM 1306-1106	CHEM 1312-1112
	Organic Chemistry I	CHEM 2324-2124	CHEM 2423
	Organic Chemistry II	CHEM 2325-2125	CHEM 2425
	Biochemistry I	CHEM 3330	no equivalent
E Electives (11 credits)			
	4 Upper Division Hours (inside or outside the major)		
	7 Lower Division Hours (inside or outside major)		

IMPORTANT

- 1 Upper division coursework = 3000 or 4000 level courses
- 2 Upper division coursework in the major or upper division electives are only available at UTEP (these are not offered at EPCC).