

Curriculum Sheet: B.S. in Biology Premedical/Predental Concentration

School of Biological Sciences

(120 credit hours)

Name: _____ CWID: _____
(Last) (First) (Middle Initial)

(Effective 03.2024)

General Education Requirements (GER)

- Fine Arts _____¹ _____(3)
- ENGL 101 (*ENGL ACT > 30, write "ACT"*) _____(3)
- ENGL 102 _____(3)
- COMM 101² _____(3)
- MATH 100 or 101 (*MATH ACT >= 26, write "ACT"*) _____(3)
- MATH 112³ _____(3)

Humanities⁴

- _____ (3)
- _____ (3)

Social/Behavioral Sciences⁵

- PSYC _____ or SOC _____ (3)
 - PSYC _____ or SOC _____ (3)
- (30 credit hours)**

Chemistry⁶ (*MATH100 or MATH101 prerequisite*)

- CHEM 100 _____ (2)
- CHEM 101 _____ (2)CHEM 103 _____ (1)
- CHEM 102 _____ (2)CHEM 104 _____ (1)
- CHEM 250 _____ (2)
- CHEM 251 _____ (2)CHEM 253 _____ (1)
- CHEM 252 _____ (2)CHEM 254 _____ (1)
- CHEM 351 _____ (3) CHEM 352 _____ (3)

Physics (*MATH112 or equivalent prerequisite*)

- PHYS 209 _____ (3)PHYS 261 _____ (1)
- PHYS 210 _____ (3)PHYS 262 _____ (1)

Statistics

- STAT 200, AGSC 320 or PSYC 300 _____(3)

Technical Writing

- ENGL 303, ENGL 363, ENGL 471, or ENGL 472 _____(3)

(36 credit hours)

Biology Core Course Requirements

- BISC 130 _____ (3)BISC 131 _____ (1)
 - BISC 132 _____ (3)BISC 133 _____ (1)
 - BISC 311 _____ (3)BISC 312 _____ (1)
 - BISC 480 _____ (1)
- (13 credit hours)**

Biology Electives⁷

	Lab	CMB	EEOB	
__BISC225_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	__(3)
__BISC227_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	__(3)
__BISC261_____	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	__(3)
__BISC315_____	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	__(3)
__BISC320_____	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	__(3)
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	__()
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	__()
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	__()
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_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	__()

(31 credit hours)

Science Electives⁸

- _____ () _____ ()
- _____ () _____ ()

(5 credit hours)

Free Electives⁹

- _____ () _____ ()
- _____ () _____ ()

(5 credit hours)

Director: _____ Date: _____ Dean: _____ Date: _____

NOTE: A grade of “C” or higher is required of all BISC courses, used anywhere in the curriculum (whether as Biology Core Courses, Biology Electives, Science Electives or Free Electives).

NOTE: Lecture courses with required accompanying lab courses are connected by a series of periods (e.g. CHEM101 and CHEM103, PHYS209 and PHYS261, BISC130 and BISC131). It is recommended, if possible, to take the lecture and lab courses together in the same quarter (especially for Chemistry), but this is not strictly required.

¹The Fine Arts requirement can be fulfilled by ANY course(s) in ART, MUEN, MUGN, or THTR, as long as they total 3 credit hours. KINE 280 is also acceptable. The courses most commonly taken by students are “appreciation” courses, which do not require any performative skill in their subject (e.g. you don’t have to be able to play an instrument to take Music Appreciation)—these include, ART290 (Art Appreciation), KINE280 (Dance Appreciation), THTR290 (Theatre Appreciation) and MUGN290 (Music Appreciation).

²COMM101 is required for all students to take during their first/Freshman year—if you transferred to LA Tech with <60 credit hours, you are still required to take COMM101 your first year here. Transfer students with ≥60 credit hours need to take COMM207 instead (and may take it any time before they graduate).

³Other, higher-level math courses can substitute for MATH112. These include: MATH212, MATH222, MATH241, MATH242, MATH243, MATH244, or HNRS225.

⁴Any two 3 credit hour HIST, COMM, SPAN, FREN (or other foreign language), Literature (ENGL classes that focus on literature), or PHIL courses will fulfill this requirement. Although Tech does not offer these, transfer credit for any “classical studies”, religious studies” or “interdisciplinary” courses will be accepted as well. The courses most commonly taken by students are HIST101 (World History To 1500), HIST102 (World History Since 1500), HIST201 (History of The US: 1492-1877), HIST202 (History of The US: 1877-Present), ENGL210 (Introduction To British Literature, Beginnings To Romantic Era), ENGL211 (Introduction To British Literature, Romantic Era To The Present), or ENGL212 (Intro To American Literature)

⁵Any two 3 credit hour PSYC or SOC courses will fulfill this requirement. PSYC300 cannot be used here if it is also used to fulfill the Statistics requirement. The courses most commonly taken by students are SOC201 (Introduction to Sociology), PSYC102 (General Psychology) or PSYC202 (Advanced General Psychology-- PSYC102 is a pre-requisite).

⁶CHEM100, CHEM101 and CHEM102 are all offered during the Fall, Winter and Spring quarters. But they are not offered during Summer. Instead, CHEM107 and CHEM108 are offered—these are 3 credit hour lecture courses. CHEM107, by itself, is equivalent to CHEM100. CHEM108 is, by itself, equivalent to CHEM102. Together, CHEM107 and CHEM108 are equivalent to CHEM100, CHEM101 and CHEM102.

⁷ Biology Electives are ANY BISC courses except BISC101, BISC102, BISC200, BISC201, BISC208, BISC209, BISC214, or BISC224. Maximum of 5 hours in BISC 240 + BISC 360 + BISC 361. Minimum 20 hours in 300/400 level courses. Minimum 3 BISC courses with laboratory, at least one at 300/400-level. Minimum of 6 hours each of Cell & Molecular Biology (CMB) courses and of Ecological, Environmental, & Organismal Biology (EEOB) courses. See the Courses that fulfill the Cell and Molecular Biology (CMB), Ecological, Environmental, and Organismal Biology (EEOB) and Biology Laboratory (Lab) Requirements page.

⁸See Approved Science Elective Course Listing page. Courses cannot be used simultaneously to fulfill both a Science Elective requirement and a Social Sciences/Chemistry/Physics/Biology Elective requirement.

⁹Any course not already used to fulfill a requirement elsewhere in the curriculum may be used as a Free Elective except for BISC101, BISC102, BISC200, BISC201, BISC208, BISC209 or BISC214. Courses that have no Tech equivalent (e.g. Military Science classes from Grambling or EMT training courses) may be used as Free Electives.