

# BIOLOGY – Cellular & Molecular

STEPHEN F. AUSTIN STATE UNIVERSITY  
COLLEGE OF SCIENCES AND MATHEMATICS

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

Date: 09/02/2020 Catalog: 2020-2021 Void Date: Aug. 31, 2027 ID# \_\_\_\_\_

## Requirements for the BACHELOR OF SCIENCE DEGREE

HOURS ON TRANSCRIPT	HOURS TO BE TAKEN
<p><b>CORE CURRICULUM (42 hours)</b></p> <p><b>COMMUNICATION:</b></p> <ol style="list-style-type: none"> <li>3 hours from: ENGL 1301 _____, 1303H _____ (C or better is required)</li> <li>3 hours from SPCH 1315, 1318, 2333</li> </ol> <p><b>MATHEMATICS:</b></p> <ol style="list-style-type: none"> <li>3 hours from: MATH 2313</li> </ol> <p><b>LIFE AND PHYSICAL SCIENCES:</b></p> <ol style="list-style-type: none"> <li>6 hours from: CHEM 1311, 1312</li> </ol> <p><b>LANGUAGE, PHILOSOPHY, AND CULTURE:</b></p> <ol style="list-style-type: none"> <li>3 hours from ENGL 2309, 2322, 2323, 2327, 2328, 2332, 2333, 2341; HIST 2311, 2312, 2321, 2322; PHIL 1301, 2306</li> </ol> <p><b>CREATIVE ARTS:</b></p> <ol style="list-style-type: none"> <li>3 hours from: ARTS 1301, 1303, 1304; DANC 2303; DRAM 1310, 2366; MUMH 1307; MUSI 1306;</li> </ol> <p><b>AMERICAN HISTORY:</b></p> <ol style="list-style-type: none"> <li>6 hours from: HIST 1301, 1302</li> </ol> <p><b>GOVERNMENT/POLITICAL SCIENCE:</b></p> <ol style="list-style-type: none"> <li>6 hours from: GOVT 2305, 2306</li> </ol> <p><b>SOCIAL AND BEHAVIORAL SCIENCES:</b></p> <ol style="list-style-type: none"> <li>3 hours from: ANTH 2351; ECON 2301, 2302; GEOG 1303; SOCI 1301; PSYC 2301</li> </ol> <p><b>COMPONENT AREA OPTION (6HRS)</b></p> <ol style="list-style-type: none"> <li>3 hours from: ENGL 1302 _____ (C or better is required)</li> <li>3 hours from: ENGL 2311</li> </ol>	<p><b>CORE CURRICULUM (42 hours)</b></p> <p><b>COMMUNICATION:</b></p> <ol style="list-style-type: none"> <li>_____</li> <li>_____</li> </ol> <p><b>MATHEMATICS:</b></p> <ol style="list-style-type: none"> <li>_____</li> </ol> <p><b>LIFE AND PHYSICAL SCIENCES:</b></p> <ol style="list-style-type: none"> <li>_____</li> </ol> <p><b>LANGUAGE, PHILOSOPHY, AND CULTURE:</b></p> <ol style="list-style-type: none"> <li>_____</li> </ol> <p><b>CREATIVE ARTS:</b></p> <ol style="list-style-type: none"> <li>_____</li> </ol> <p><b>AMERICAN HISTORY:</b></p> <ol style="list-style-type: none"> <li>_____</li> </ol> <p><b>GOVERNMENT/POLITICAL SCIENCE:</b></p> <ol style="list-style-type: none"> <li>_____</li> </ol> <p><b>SOCIAL AND BEHAVIORAL SCIENCE:</b></p> <ol style="list-style-type: none"> <li>_____</li> </ol> <p><b>COMPONENT AREA OPTION:</b></p> <ol style="list-style-type: none"> <li>_____</li> <li>_____</li> </ol>
<p><b>FOUNDATION OF KNOWLEDGE(17-19 hours)</b></p> <p>MATH: 3-4 hrs. from 1342 or 2314/2114</p> <p>SCIENCE: Complete 8 hrs.: <b>PHYS</b> 1301/1101; <b>CHEM</b> 3331/3131</p> <p>Complete additional 3-4 hrs. from: <b>CHEM</b> 3332/3132, 4352/4152, 3421/3021; <b>GEOL</b> 1303/1103, 1304/1104, 3361/3061; <b>PHYS</b> 1302/1102, 1318/1018; <b>STAT</b> 3342</p> <p>CSCI: 3 hours: COSC 1301, CSCI 1302, CSIT 2301 or BCIS 1305</p>	<p><b>FOUNDATION OF KNOWLEDGE:</b></p> <p>MATH: _____</p> <p>SCIENCE: 1. _____ 2. _____</p> <p>ADD: 1. _____</p> <p>CSCI: _____</p>

<p><b>BIOLOGY MAJOR: <u>CELLULAR &amp; MOLECULAR</u> (35-36 hrs.)</b></p> <p><b>FOUNDATION (16 hrs.):</b>  1306/1106(4)____ 1307/1107(4)____ 3453/3053(4)____  4389(3) ____ 4199(1)____</p> <p><b>Cellular and Molecular requirements (19-20 hrs.):</b>  ____ 3 hrs. from form/function: 2361/2061 or 2371/2071  ____ 4 hrs. from physiology: 3440/3040 or 4465/4065  ____ 3-4 hrs. from organismal: 3421/3021, 3443/3043 or 4363/4063  ____ 6 hrs. from cellular &amp; molecular: 4351 &amp; 4352  ____ 3 hrs. from ecology: 3381/3081 or 4367/4067</p>	<p><b>BIOLOGY MAJOR: <u>CELLULAR &amp; MOLECULAR</u> (35-36 hrs.)</b></p> <p><b>FOUNDATION (16 hrs.):</b>  1306/1106(4)____ 1307/1107(4)____ 3453/3053(4)____  4389(3) ____ 4199(1)____</p> <p><b>Cellular and Molecular requirements (19-20 hrs.):</b>  ____ 3 hrs. from form/function: 2361/2061 or 2371/2071  ____ 4 hrs. from physiology: 3440/3040 or 4465/4065  ____ 3-4 hrs. from organismal: 3421/3021, 3443/3043 or 4363/4063  ____ 6 hrs. from cellular &amp; molecular: 4351 &amp; 4352  ____ 3 hrs. from ecology: 3381/3081 or 4367/4067</p>
<p><b>OTHER REQUIRED COURSES (3 hours)</b>  CHEM 1111(1)____ CHEM 1112(1) ____ MATH 2113(1)____</p>	<p><b>OTHER REQUIRED COURSES (3 hours)</b>  CHEM 1111(1)____ CHEM 1112(1) ____ MATH 2113(1)____</p>
<p><b>ADVANCED BIOLOGY ELECTIVES: 20-23 hours of upper level bio electives; up to two upper-level courses outside the major may be selected. <u>This section is not required if student chooses to declare a minor.</u></b></p> <p>(excludes BIOL 3417/3017; 3420/3020)</p>	<p><b>ADVANCED BIOLOGY ELECTIVES: 20-23 hours of upper level bio electives; up to two upper-level courses outside the major may be selected. <u>This section is not required if student chooses to declare a minor.</u></b></p> <p>(excludes BIOL 3417/3017; 3420/3020)</p>
<p><b>OPTIONAL MINOR: (18-24 hours):</b></p>	<p><b>OPTIONAL MINOR:</b></p>
<p><b>GENERAL ELECTIVES:</b></p>	<p><b>GENERAL ELECTIVES:</b>  ____ hours of electives of which ____ hours are  are advanced (3000-4000) to meet residence requirements</p>

**Must have 42 hours in residence at SFA. Must have 36 advanced hrs (3000-4000 level) in residence at SFA. A maximum of 66 academic hours plus 4 hours of kinesiology activity from junior or community colleges may apply toward a bachelor's degree.**

Minor Dept: _____	TOTAL RECORDED HOURS ON TRANSCRIPT _____
Major Dept: _____	TOTAL HOURS TO BE TAKEN _____
Student Agreement _____	TOTAL HOURS REQUIRED FOR DEGREE _____
Approved-Dean of College: _____	TOTAL HOURS EARNED FOR DEGREE _____