**BIOLOGY-BS**  
Code-CMDB  
120 Credits

**Cell, Molecular and Developmental Biology**  
College of Science

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**Departmental/Program Major Courses (38-40 credits)**  
*A 2.0 average is required in these courses*

**Required Major Courses (21 credits)**

1. (3) BIOL 13100 Biology II: Development, Structure, and Function  
2. (2) BIOL 120100 Biology I: Diversity, Ecology and Behavior  
   *(satisfies Science, Technology & Society Selective for core)*
3. (3) BIOL 13500 First Year Biology Lab or BIOL 14501 First Yr Lab Neuro Res Project or IT 22600 Biotechnology Lab I  
4. (2) BIOL 23100 Biology III: Cell Structure & Function  
5. (2) BIOL 23200 Lab in Cell Structure & Function  
6. (2) BIOL 24100 Genetics & Molecular Biology  
7. (2) BIOL 24200 Lab in Genetics & Molecular Biology  
8. (2) BIOL 28600 Intro to Ecology & Evolution  
9. (2) BIOL 44201 Introductory Module: Protein Expression  
   *(Req # 11)*

**Major Selectives - Select one course for each requirement (17-19 credits)**

1. (3) Intermediate Requirement Selective  
   *(Req # 9)*
2. (3) Cell/Molecular/Development Selective  
   *(Req # 10)*
3. (3) Cell/Molecular/Development Selective  
   *(Req # 10)*
4. (3) 500 Level Biology Selective  
   *(Req # 12)*
5. (1-2) Biology Lab Selective  
   *(Req # 11)*
6. (1-2) Biology Lab Selective  
   *(Req # 11)*
7. (3) Biology Selective  
   *(Req # 13)*

**Other Departmental/Program Course Requirements (65-79 credits)**

1. (0-4) CHM 11500 (if 12901 is not taken)  
   *(satisfies Science Selective for core)*
2. (4-5) CHM 11600 or 12901  
3. (4) Organic CHM 1 Selective  
   *(LINK)*
4. (4) Organic CHM 2 Selective  
   *(LINK)*
5. (3-4) Chem Selective - BCHM 56100 or CHM 53300 or CHM 33900 (plus 33901 if CHM 12901 is taken for gen chemistry)  
6. (4) PHYS 1 Selective  
   *(satisfies Science Selective for core)*
7. (4) PHYS 2 Selective  
8. (3-5) Calculus 1 Selective – Select from MA 23100, 16100, or 16500  
   *(satisfies Quantitative Reasoning Selective for core)*
9. (3-5) Calculus 2 Selective – Select from MA 23200, 16200, 16600 or 17300  
10. (3) STAT 50300  
11. (3-4) Computer Science Selective  
   *(LINK)*
12. (3-4) ENGL 10600 or 10800  
   *(satisfies Written Communication for core); (satisfies Information Literacy Selective for core)*
13. (3) Language & Culture 1 Selective  
   *(LINK)*
14. (3) Language & Culture 2 Selective  
   *(LINK)*
15. (3) Language & Culture 3 Selective  
   *(LINK)*
16. (3) COM 21700  
   *(satisfies Oral Communication for core)*
17. (3) General Education 1 Selective  
   *(LINK)*
18. (3) General Education 2 Selective  
   *(satisfies Human Culture Behavioral/Social Science for core)*
19. (3) General Education 3 Selective  
20. (0-3) Teambuilding & Collaboration Selective  
   *(LINK)*
21. (3) Great Issues Selective  
22. (3) Multidisciplinary Selective  
   *(LINK)*

**Electives (1-17 credits)**

- ( )  
- ( )  
- ( )  
- ( )  
- ( )

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**University Core Requirements**

**Human Cultures Humanities**
- ☐  
- ☐  
- ☐  
- ☐

**Human Cultures Behavioral/Social Science**
- ☐  
- ☐  
- ☐  
- ☐

**Information Literacy**
- ☐  
- ☐  
- ☐  
- ☐

**Science Selective**
- ☐  
- ☐  
- ☐  
- ☐

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****The student is ultimately responsible for knowing and completing all degree requirements.****

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**Suggested Arrangement of Courses:**

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<th>Credits</th>
<th>Fall 1st Year</th>
<th>Prerequisite</th>
<th>Credits</th>
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<td>(Req # 10)</td>
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**120 semester credits required for Bachelor of Science degree.**

**2.0 Graduation GPA required for Bachelor of Science degree.**

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