**Cell Biology, B.S.**  
(2022-2023)

**Major: 103-122 units**  
College of Biological Sciences

**Graduation Requirements:** Min. 180 units total, including 64 upper division units; Min. 2.0 GPA req. in major, depth, and cumulative  
**Residence Requirement:** 35 of last 45 units must be completed at UC Davis  
All major courses must be taken for a letter grade (excl. courses offered as P/NP)

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**Preparatory Requirements (59-73)**

- **BIS 2ABCD Biological Sciences**  
  - 5 BIS 2A (F, W, S)  
  - 5 BIS 2B (F, W, S)  
  - 5 BIS 2C (F, W, S)  
  - 3 BIS 2D (W, S)

- **CHE 2ABC General Chemistry**  
  (CHE 4ABC is also accepted)  
  - 5 CHE 2A (F, W)  
  - 5 CHE 2B (W, S)  
  - 5 CHE 2C (F, S)

- **CHE 8AB or CHE 118ABC Organic Chemistry**  
  - 2 CHE 8A (F, S)  
  - 4 CHE 8B (F, W)

  **OR**

  - 4 CHE 118A (F, W)  
  - 4 CHE 118B (W, S)  
  - 4 CHE 118C (F, S)

- **MAT 17ABC or MAT 21AB Calculus for Bio/Med**  
  - 4 MAT 17A or MAT 21A (F, W, S)  
  - 4 MAT 17B or MAT 21B (F, W, S)  
  - 4 MAT 17C (F, W, S)  

  **MAT 21C recommended if taking MAT 21 series**

- **PHY 7ABC General Physics**  
  (PHY 9ABC is also accepted)  
  - 4 PHY 7A (F, W, S)  
  - 4 PHY 7B (F, W, S)  
  - 4 PHY 7C (F, W, S)

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**Depth Requirements (44-49)**

- 4-8 STA 100 (F, W, S) or STA 130A (F) AND STA 130B (W) Statistics

- 4 BIS 101 Genes and Expression (F, W, S)

- 3 BIS 102 Structure and Function of Biomolecules (F, W, S)

- 3 BIS 103 Bioenergetics and Metabolism (F, W, S)

- 3 BIS 104 Cell Biology (F, W, S)

- 3 MCB 121 Advanced Molecular Bio (F, W, S)

- 5 MCB 140L Cell Biology Laboratory (W)

- 4 MCB 150 Developmental Biology (W) or MCB 163 Developmental Genetics (F; not annually)

  **Choose 2 courses from courses below:**

  - 3 MCB 143 Cell and Molecular Biophysics (S)
  - 3 MCB 144 Mechanisms of Cell Division (F)
  - 3 MCB 145 Assembly and Function of Cell Signaling Machinery (S)

- 10 Restricted Elective Units (Complete approved upper div. courses—**see approved list** in UCD catalog)

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For detailed course information such as course titles, descriptions, and prerequisites, please see the **UC Davis General Catalog**. For current course offerings, please use **Schedule Builder**. Please note course offerings and degree requirements are subject to change; please consult with a **BASC advisor** to ensure graduation requirements are fully met.