

B.S. BIOLOGY

Use with your Degree Progress Report (DPR).

MOLECULAR, CELLULAR, AND DEVELOPMENTAL BIOLOGY (MCDB)

KU CORE REQUIREMENTS See <https://kucore.ku.edu/fulfilling-the-core> for approved KU Core courses and/or experiences.

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|---|---|---|
| Goal 1. Critical Thinking & Quantitative Literacy | Outcome 1 (Can be satisfied by degree reqs.) | Outcome 2 (Can be satisfied by degree reqs.) |
| Goal 2. Communication | Outcome 1 <input type="checkbox"/> <input type="checkbox"/> | Outcome 2 <input type="checkbox"/> |
| Goal 3. Breadth of Knowledge | Arts & Humanities <input type="checkbox"/> Social Sciences <input type="checkbox"/> | Natural Sciences (Can be satisfied by degree reqs.) |
| Goal 4. Culture & Diversity | Outcome 1 <input type="checkbox"/> Outcome 2 <input type="checkbox"/> | |
| Goal 5. Social Responsibility & Ethics | <input type="checkbox"/> | |
| Goal 6. Integration & Creativity | (Can be satisfied by degree reqs.) | |

GENERAL SCIENCE REQUIREMENTS (34–37 h)

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|--|--------------------------|---|---|
| BIOL 105 Biology Orientation Seminar (1) | <input type="checkbox"/> | MATH 115 & 116 Calculus I & II (6) OR | <input type="checkbox"/> (<input type="checkbox"/>) |
| CHEM 130 Foundations of Chemistry I (5) | <input type="checkbox"/> | MATH 121 Calculus I (5) OR MATH 125 Calculus I (4) | |
| CHEM 135 Foundations of Chemistry II (5) | <input type="checkbox"/> | BIOL 570 Intro to Biostatistics (3) OR MATH 365 Elementary | <input type="checkbox"/> |
| CHEM 330 Organic Chemistry I (3) | <input type="checkbox"/> | Statistics (3) OR PSYC 210 Statistics Psychological Research (3) | |
| CHEM 331 Organic Chemistry I Lab (2) | <input type="checkbox"/> | PHSX 114 & 115 College Physics I & II (8) OR | <input type="checkbox"/> <input type="checkbox"/> |
| CHEM 335 Organic Chemistry II (3) | <input type="checkbox"/> | PHSX 211+216 & 212+236 Gen. Physics I & II (9) | |

MOLECULAR, CELLULAR, AND DEVELOPMENTAL BIOLOGY REQUIREMENTS (33–35 h)

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|---|--------------------------|---|--------------------------|
| BIOL 150/151 Prin Molecular & Cell Biol (4) | <input type="checkbox"/> | BIOL 416/536 Cell Structure and Function (3) | <input type="checkbox"/> |
| BIOL 152/153 Prin Organismal Biology (4) | <input type="checkbox"/> | BIOL 417 Biology of Development (3) | <input type="checkbox"/> |
| BIOL 350/360 Principles of Genetics (4) | <input type="checkbox"/> | BIOL 435 Introduction to Neurobiology (3) | <input type="checkbox"/> |
| BIOL 412 Evolutionary Biology (4) | <input type="checkbox"/> | BIOL 600 Introductory Biochemistry, Lectures (3-4) | <input type="checkbox"/> |
| BIOL 405 Laboratory in Genetics (2) OR | <input type="checkbox"/> | BIOL 650 Advanced Neurobiology (3) OR BIOL 672 Gene Expression | <input type="checkbox"/> |
| BIOL 426 Laboratory in Cell Biology (3) OR | | (3) OR BIOL 688 Molecular Biology of Cancer (3) | |
| BIOL 427* Developmental Biology Lab (2) | | BIOL 599 Senior Seminar: MCDB (1) (must be taken Sr yr) | <input type="checkbox"/> |

* BIOL 427 discontinued as of Fall 2015.

MOLECULAR, CELLULAR, AND DEVELOPMENTAL BIOLOGY ELECTIVE REQUIREMENTS (12 h): Satisfied by completing 12 hours of BIOL courses numbered 400 or higher, with no more than 3 h of BIOL 423 Non-Lab Independent Study and/or BIOL 424 Independent Study (combined) applied towards the elective requirement.

| | | | |
|--------------------|--------------------------|--------------------|--------------------------|
| BIOL _____ (__ h) | <input type="checkbox"/> | BIOL _____ (__ h) | <input type="checkbox"/> |
| BIOL _____ (__ h) | <input type="checkbox"/> | BIOL _____ (__ h) | <input type="checkbox"/> |
| BIOL _____ (__ h) | <input type="checkbox"/> | BIOL _____ (__ h) | <input type="checkbox"/> |
| BIOL _____ (__ h) | <input type="checkbox"/> | | |

- **Completing the minimum General Science and major requirements** set forth above results in **79 overall h** and **46 Jr/Sr h**. Double majors must complete ≥ 15 h in the major (i.e., not in Core/Gen Ed Req's or General Science Req's) that are *unique* to that major. **79 h** **46 Jr/Sr h**
- **At least 120 h** (of which **45 must be Jr/Sr h**—courses numbered 300 or above) **must be completed for graduation.** **120 h** **45 Jr/Sr h**