

Biology-Physiology Academic Map

Department of Biology

Middle Tennessee State University • Murfreesboro



An academic map is a suggested four-year schedule of courses based on degree requirements in the undergraduate catalog. This sample schedule serves as a general guideline to help build a full schedule each term. Milestones, courses, and special requirements necessary for timely progress to complete a major are designated to keep you on track to graduate in four years. ***Missing milestones could delay your program.***

This map is not a substitute for academic advisement—contact your advisor if you have any questions about scheduling or about your degree requirements. Also see the current undergraduate catalog (catalog.mtsu.edu) for a complete list of requirements and electives. *Note: Requirements are continually under revision, and there is no guarantee they will not be changed or revoked; contact the department and/or program area for current information.*

You may choose to attend a summer term to reduce your load during fall or spring terms but still stay on track to graduate in four years (see back). NOTE: Learning Support courses will alter the sequences on this map.

Suggested Fall/Spring Four-Year Schedule

| FRESHMAN FALL | | | FRESHMAN SPRING | | |
|---|--------------|--|--|--------------|-------------------------------|
| Course | Hours | Milestones/Notes | Course | Hours | Milestones/Notes |
| BIOL 1110/1111 (Nat Sci) | 4 | | BIOL 1120/1121 | 4 | |
| CHEM 1110/1111 (Nat Sci) | 4 | Take CHEM 1010/1011 if weak or no background in Chemistry | CHEM 1120/1121 | 4 | |
| MATH 1910 (Math) | 4 | Take MATH 1730 first if weak background in Math; may take MATH 1910 with acceptable Math ACT score (26). | COMM 2200 (Comm) | 3 | |
| ENGL 1010 (Comm) | 3 | | ENGL 1020 (Comm) | 3 | |
| SUBTOTAL | 15 | | SUBTOTAL | 14 | |
| SOPHOMORE FALL | | | SOPHOMORE SPRING | | |
| BIOL 2230/2231 | 4 | | BIOL 3250/3251 | 4 | |
| CHEM 3010/3011 or CHEM 2030/2031 | 4 | | Minor course | 3 | |
| Hum/FA (Rubric 1) | 3 | | ENGL 2020, ENGL 2030, or HUM 2610 (Hum/FA) | 3 | |
| HIST 2010, HIST 2020, or HIST 2030 | 3 | | HIST 2010, HIST 2020, or HIST 2030 | 3 | |
| SUBTOTAL | 14 | | Upper-division elective | 3 | |
| SUBTOTAL | 16 | | SUBTOTAL | 16 | |
| JUNIOR FALL | | | JUNIOR SPRING | | |
| BIOL 3400/3401 | 4 | | BIOL 4110/4111, 4210/4211, or 4500 | 4 | |
| BIOL 3500 | 3 | | BIOL Physiology concentration | 3–4 | See back for course selection |
| BIOL 4350/4351, MATH 2050, or MATH 1920 | 3–4 | | Hum/FA (Rubric 2) | 3 | |
| Soc/Beh Sci (Rubric 1) | 3 | | Soc/Beh Sci (Rubric 2) | 3 | |
| Upper-division minor course | 3 | | Upper-division minor or elective | 3 | |
| SUBTOTAL | 16–17 | | SUBTOTAL | 16–17 | |
| SENIOR FALL | | | SENIOR SPRING | | |
| BIOL Physiology concentration | 3–4 | See back for course selection | BIOL Physiology concentration | 3 | See back for course selection |
| Upper-division BIOL course | 4 | | BIOL 4200 | 2 | |
| Upper-division minor or elective | 3 | | Upper-division minor or elective | 3–6 | |
| Elective | 3 | 3000-4000 any subject | Elective | 6–3 | |
| SUBTOTAL | 13–14 | | SUBTOTAL | 14 | |
| TOTAL HOURS IN PROGRAM: 120 | | | | | |

Suggested Fall/Spring/Summer Four-Year Schedule

Refer to www.mtsu.edu/scholarships/ for information regarding use of the Lottery Scholarship for the summer term.

| FRESHMAN FALL | | | FRESHMAN SPRING | | |
|--|--------------|---|--|--------------|--|
| Course | Hours | Milestones/Notes | Course | Hours | Milestones/Notes |
| BIOL 1110 /1111 (Nat Sci) | 4 | | BIOL 1120/1121 | 4 | |
| CHEM 1110/1111 (Nat Sci) | 4 | Take CHEM 1010/1011 if weak or no background in Chemistry | CHEM 1120/1121 | 4 | |
| MATH 1910 (Math) | 4 | Take MATH 1730 first if weak background in Math; may take MATH 1910 with acceptable Math ACT score (26). | COMM 2200 (Comm) | 3 | |
| ENGL 1010 (Comm) | 3 | | ENGL 1020 (Comm) | 3 | |
| SUBTOTAL | 15 | | SUBTOTAL | 14 | |
| SOPHOMORE SUMMER | | | | | |
| BIOL 2230/2231 | 3 | | Hum/FA (Rubric 1) | 3 | |
| SUBTOTAL | 3 | | SUBTOTAL | 3 | |
| SOPHOMORE FALL | | | SOPHOMORE SPRING | | |
| BIOL 3250/3251 | 4 | | BIOL 3400/3401 | 4 | |
| CHEM 3010/3011 or CHEM 2030/2031 | 4 | | Upper-division elective | 3 | |
| Minor course | 3 | | ENGL 2020, ENGL 2030, or HUM 2610 (Hum/FA) | 3 | |
| HIST 2010, HIST 2020, or HIST 2030 | 3 | | HIST 2010, HIST 2020, or HIST 2030 | 3 | |
| SUBTOTAL | 14 | | SUBTOTAL | 13 | |
| JUNIOR SUMMER | | | | | |
| Hum/FA (Rubric 2) | 3 | | BIOL upper-division elective | 4 | BIOL 4280 rec.; see advisor |
| SUBTOTAL | 3 | | SUBTOTAL | 4 | |
| JUNIOR FALL | | | JUNIOR SPRING | | |
| BIOL 4110/4111, 4210/4211, or 4500 | 4 | | BIOL 3500 | 3 | |
| Minor course | 3 | | BIOL Physiology concentration | 3–4 | *Choose from BIOL 4110/4111, 4130/4131, 4210/4211, 4300/4301, 4500, 4520 (even yr.), 4570/4571 (odd yr.) |
| BIOL 4350/4351, MATH 2050, or MATH 1920 | 3–4 | | Soc/Beh Sci (Rubric 1) | 3 | |
| Upper-division minor course | 3 | | Upper-division minor or elective | 3 | |
| SUBTOTAL | 13–14 | | SUBTOTAL | 12–13 | |
| SENIOR FALL | | | | | |
| BIOL Physiology concentration | 3–4 | *Choose from BIOL 3010/3011, 3020/3021, 4110/4111, 4170 (odd yr.), 4210/4211, 4300/4301, 4440, 4560/4561 (even yr.) | BIOL Physiology Concentration | 3 | *Choose from BIOL 4110/4111, 4130/4131, 4210/4211, 4300/4301, 4500, 4520 (even yr.), 4570/4571 (odd yr.) |
| Soc/Beh Sci (Rubric 2) | 3 | | BIOL 4200 | 2 | |
| Upper-division minor or elective | 3 | | Upper-division minor or elective | 3 | |
| Elective | 3 | 3000-4000 any subject | Elective(s) | 6 | |
| SUBTOTAL | 12–14 | | SUBTOTAL | 14 | |
| <i>*Take BIOL 4110/4111, 4210/4211, or 4500 only if not used in the core requirement.</i> | | | | | |
| TOTAL HOURS IN PROGRAM: 120 | | | | | |