Welcome to the College of Basic & Applied Sciences!

CUSTOMS – Fall 2023
Basic and Applied Sciences Departments

- Aerospace
- School of Agriculture
  - Includes Pre-Veterinary and Fermentation Science
- Biology
  - Includes Forensic Science
- Chemistry
  - Includes Biochemistry & Pre-Professional Health Sciences (Allied Health)
- School of Concrete & Construction Management
- Computer Science
  - Includes Data Science
- Engineering Technology
  - Includes Mechatronics
- Geosciences
  - Includes Environmental Science
- Mathematical Sciences
  - Includes Actuarial Science
- Physics & Astronomy
- Military Science
Keys to success

• Go to class - BE PRESENT
• Meet your professors
• Meet your advisors regularly
• Tap into resources
• Get involved
Honors College

Don’t forget to learn about your Honors College Options
Pick up an Honors College Flyer to learn more about the benefits of our program.

Visit an Honors Advisor
After meeting with your major advisor, stop by the Honors College and learn more about our available opportunities for you! Optional Honors drop-in advising is from 2-4 pm.
Students: listen for your department to be called

MEET YOUR MAJOR

Parents & guests: please stay seated
MEET YOUR MAJOR DISMISSAL

Physics & Astronomy
and
Mathematical Sciences

• Actuarial Science
MEET YOUR MAJOR DISMISSAL

Geosciences

• Environmental Sciences
MEET YOUR MAJOR DISMISSAL

Engineering Technology

• Mechatronics Engineering
• Mechanical Engineering Technology
• Electromechanical Engineering Technology
• Computer Engineering Technology
MEET YOUR MAJOR DISMISSAL

Biology Department

• Biology
• Forensic Science
MEET YOUR MAJOR DISMISSAL

Chemistry Department

• Biochemistry
• Chemistry
• Allied Health Technology
• Allied Health Science
• General Science
MEET YOUR MAJOR DISMISSAL

School of Concrete & Construction Management

• Concrete Industry Management
• Construction Management
MEET YOUR MAJOR DISMISSAL

School of Agriculture

• Animal Science
• Plant & Soil Science
• Agribusiness
• Horse Science
• Fermentation Science
MEET YOUR MAJOR DISMISSAL

Department of Aerospace

- Professional Pilot
- Maintenance Management
- Aerospace Technology
- Flight Dispatch
- Aviation Management
- Unmanned Aircraft Systems
MEET YOUR MAJOR DISMISSAL

Computer Science

• Data Science
• Professional Computer Science
• Business Applications
Parents & Guests

Let’s chat!

Customs – Fall 2022
Goal 1 – Student Quest for Success
Success is achieved through a partnership between the student and the University.

It requires the **student’s commitment** to academic and personal achievement as well as **MTSU’s commitment** to provide student support and an outstanding academic experience.
“All majors are not created equal.”
# 2020–21 Biology 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 schedule serves as a general guideline to help you build a full schedule each term. Milestones, courses, and special requirements necessary for timely progress to complete a major or 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 (bulletin online) 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 revised. 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 below). NOTE: Learning Support courses will alter the sequences on this map.

### Suggested Fall/Spring Four-Year Schedule

#### Freshman Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Milestones/Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1000</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CHEM 1110/1111 (Nat Sci)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>MATH 1110 (Math)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MATH 1170</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MATH 1190</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PHYS 1080</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>SOCIALS</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

#### Freshman Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Milestones/Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1100</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>BIOL 1120</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>BIOL 1190</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>ENGL 1210</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>SOCIALS</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

#### Sophomore Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Milestones/Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOG 2000</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CHEM 2010</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CHEM 2020</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>ENGL 2110</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>SOCIALS</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

#### Sophomore Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Milestones/Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 3000</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CHEM 2010</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CHEM 2020</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>ENGL 2110</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

#### Junior Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Milestones/Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 4110/4111, 4210/4211, 4310/4311</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>BIOL 4410</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>BIOL 4500</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>BIOL 4910</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>BIOL 4920</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENGL 3110</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>18</td>
<td></td>
</tr>
</tbody>
</table>

#### Junior Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Milestones/Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 4110/4111, 4210/4211, 4310/4311</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

#### Senior Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Milestones/Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL concentration course</td>
<td>3–4</td>
<td></td>
</tr>
<tr>
<td>BIOL upper-division course</td>
<td>3–4</td>
<td></td>
</tr>
<tr>
<td>BIOL 4910</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>BIOL 4920</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>BIOL 4940</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>BIOL 4950</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>13–14</td>
<td></td>
</tr>
</tbody>
</table>

#### Senior Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Milestones/Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL concentration course</td>
<td>3–4</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>13–14</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours in Program: 120
Pre-professional Health Sciences

**4-year programs:**
- Pre-Cytotechnology
- Pre-Dental
- Pre-Medical
- Pre-Occupational Therapy
- Pre-Physical Therapy
- Pre-Veterinary Medicine

They must choose a major! These programs are not majors.

**3+1 programs:**
- Pre-Chiropractic
- Pre-Diagnostic Medical Sonography
- Pre-Medical Technology
- Pre-Nuclear Medicine Technology
- Pre-Pharmacy
- Pre-Radiation Therapy Technology

3+1 does NOT mean automatic admission into Professional School. Optional 4th year to complete B.S. in Allied Health Sci./Technol. at MTSU.
Do More Than Just Coursework!

- Extracurricular activities
  - Student research
  - Field work/ lab instructor
    - Internships
  - Attend scientific meetings
    - Volunteer
Safety Nets

- Counseling services
- Major intro seminars
  - Writing lab
  - Tutoring
- Mid-term grade reporting
  - Food pantry
- Emergency loans & grants

Ask your student if they have checked their MTSU account!
What questions can we answer for you?