

2020–21 Data Science Academic Map

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 |
| ENGL 1010 (Comm) | 3 | | ENGL 1020 (Comm) | 3 | |
| MATH 1910 (Math) | 4 | Prereq: MATH 1730 with a C or ACT MATH of 26 Required in major; may count for General Education | MATH 2050, MATH 1530, or BIA 2610 | 3 | |
| DATA 1500 | 3 | | ECON 2410 (Soc/Beh Sci) | 3 | Required in major; may count for General Education |
| HIST 2010, HIST 2020, or HIST 2030 | 3 | | HIST 2010, HIST 2020, or HIST 2030 | 3 | |
| Hum/FA (Rubric 1) | 3 | | Hum/FA (Rubric 2) | 3 | |
| SUBTOTAL | 16 | | SUBTOTAL | 15 | |
| SOPHOMORE FALL | | | SOPHOMORE SPRING | | |
| ENGL 2020, ENGL 2030, or HUM 2610 (Hum/FA) | 3 | | COMM 2200 (Comm) | 3 | |
| CSCI 1170 | 4 | Prereq: MATH 1730 with a C or ACT MATH of 26 | Nat Sci (Rubric 2) | 4 | |
| Nat Sci (Rubric 1) | 4 | | CSCI 2170 | 4 | Prereq: CSCI 1170 and eligible for MATH 1910 |
| MATH 2530 | 3 | | MATH 2110 | 1 | Prereq: MATH 1530 or 2050 |
| Soc/Beh Sci | 3 | | Elective/minor | 3 | |
| SUBTOTAL | 17 | | SUBTOTAL | 15 | |
| JUNIOR FALL | | | JUNIOR SPRING | | |
| DATA 3500 | 3 | Prereq: CSCI 1170 | DATA 3550 | 3 | Prereq: CSCI 1170 |
| BIA 3620 | 3 | Prereq: BIA 2610/MATH 1530 and junior standing | DS elective | 3 | See advisor |
| DS cognate | 3 | See advisor | DS cognate | 3 | See advisor |
| Elective/minor | 3 | | Elective/minor | 3 | |
| Elective/minor | 3 | | Elective/minor | 3 | |
| SUBTOTAL | 15 | | SUBTOTAL | 15 | |
| SENIOR FALL | | | SENIOR SPRING | | |
| INFS 4790 | 3 | Prereq: INFS 2610 and junior standing | DATA 4950 | 3 | |
| DS cognate | 3 | See advisor | DS cognate | 3 | See advisor |
| DS elective | 3 | See advisor | DS elective | 3 | See advisor |
| DS elective | 3 | See advisor | Elective/minor | 3 | |
| Elective/minor | 3 | | | | |
| SUBTOTAL | 15 | | SUBTOTAL | 12 | |
| TOTAL HOURS IN PROGRAM: 120 | | | | | |

Data Science Suggested Fall/Spring/Summer Four-Year Schedule

Refer to www.mtsu.edu/financial-aid/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 |
| ENGL 1010 (Comm) | 3 | | ENGL 1020 (Comm) | 3 | |
| MATH 1910 (Math) | 4 | Prereq: MATH 1730 with a C or ACT MATH of 26 Required in major; may count for General Education | MATH 2050, MATH 1530, or BIA 2610 | 3 | |
| DATA 1500 | 3 | | ECON 2410 (Soc/Beh Sci) | 3 | Required in major; may count for General Education |
| HIST 2010, HIST 2020, or HIST 2030 | 3 | | HIST 2010, HIST 2020, or HIST 2030 | 3 | |
| SUBTOTAL | 13 | | SUBTOTAL | 12 | |
| FRESHMAN SUMMER | | | | | |
| Hum/FA (Rubric 1) | 3 | | Hum/FA (Rubric 2) | 3 | |
| SUBTOTAL | 3 | | SUBTOTAL | 3 | |
| SOPHOMORE FALL | | | SOPHOMORE SPRING | | |
| ENGL 2020, ENGL 2030, or HUM 2610 (Hum/FA) | 3 | | COMM 2200 (Comm) | 3 | |
| CSCI 1170 | 4 | Prereq: MATH 1730 with a C or ACT MATH of 26 | Nat Sci (Rubric 2) | 4 | |
| Nat Sci (Rubric 1) | 4 | | CSCI 2170 | 4 | Prereq: CSCI 1170 and eligible for MATH 1910 |
| MATH 2530 | 3 | | MATH 2110 | 1 | Prereq: MATH 1530 or 2050 |
| SUBTOTAL | 14 | | SUBTOTAL | 12 | |
| SOPHOMORE SUMMER | | | | | |
| Soc/Beh Sci | 3 | | Elective/minor | 3 | |
| SUBTOTAL | 3 | | SUBTOTAL | 3 | |
| JUNIOR FALL | | | JUNIOR SPRING | | |
| DATA 3500 | 3 | Prereq: CSCI 1170 | DATA 3550 | 3 | Prereq: CSCI 1170 |
| BIA 3620 | 3 | Prereq: BIA 2610/MATH 1530 and junior standing | DS elective | 3 | See advisor |
| DS cognate | 3 | See advisor | DS cognate | 3 | See advisor |
| Elective/minor | 3 | | Elective/minor | 3 | |
| SUBTOTAL | 12 | | SUBTOTAL | 12 | |
| JUNIOR SUMMER | | | | | |
| Elective/minor | 3 | | Elective/minor | 3 | |
| SUBTOTAL | 3 | | SUBTOTAL | 3 | |
| SENIOR FALL | | | SENIOR SPRING | | |
| INFS 4790 | 3 | Prereq: INFS 2610 and junior standing | DATA 4950 | 3 | |
| DS cognate | 3 | See advisor | DS cognate | 3 | See advisor |
| DS elective | 3 | See advisor | DS elective | 3 | See advisor |
| DS elective | 3 | See advisor | Elective/minor | 3 | |
| Elective/minor | 3 | | | | |
| SUBTOTAL | 15 | | SUBTOTAL | 12 | |
| TOTAL HOURS IN PROGRAM: 120 | | | | | |