

TRANSFER GUIDE/BDP

BS, Mathematics, Physical Sciences
Appalachian State University
2022-2023

[Department of Mathematical Sciences](#)
[College of Arts & Sciences](#)
[Program of Study](#)

HOW-TO Use the Transfer Guide/BDP

The Transfer Guides/BDPs have three sections:

1. The NC Community College courses are listed in the top yellow section. Recommended and/or preferred courses are provided, with the equivalent Appalachian courses listed. If a specific course is not listed, students should use the blue hyperlink to access the [Comprehensive Articulation Agreement \(CAA\) transfer course list](#). Students are welcome to choose any CAA course; however, students should choose courses that are available at their institution and satisfy their transfer degree requirements.
2. Appalachian courses are listed in the middle gray section. Students will work with an Appalachian advisor to develop an individual graduation plan.
3. Important transfer and major information is listed in the bottom white sections. Students should refer to these sections for information regarding program requirements and other important information the department would like students to be aware of.

Please note - Transfer Guides/BDPs are developed based on the approved curriculum for that catalog year. Depending on term of entry and the curriculum posted for that catalog year, programs of study may have changed.

| Community College Coursework: 63 Transfer hours | | Associate in Arts | | | |
|---|--|-------------------------------------|-----------|------------------------|--------------------------|
| Semester | NCCC Course | Course Name | Hours | Appalachian Equivalent | Notes |
| Semester 1: 14 hours | ENG 111 | Writing & Inquiry | 3 | RC 1000 | |
| | MAT 171 | Precalculus | 4 | MAT 1020 | Prerequisite for MAT 172 |
| | UGETC | Social Science | 3 | | |
| | UGETC | Humanities/Fine Arts | 3 | | |
| | ACA 122 | College Transfer Success | 1 | | |
| Semester hours | | | 14 | | |
| Semester 2: 16 hours | ENG 112 | Writing/Research in the Disciplines | 3 | RC 2001 | |
| | MAT 172 | Trigonometry | 4 | MAT 1025 | Prerequisite for MAT 271 |
| | UGETC | Social Science | 3 | | |
| | UGETC | Humanities/Fine Arts | 3 | | |
| | UGETC | Humanities/Fine Arts | 3 | | |
| Semester hours | | | 16 | | |
| Semester 3: 14 hours | MAT 271 | Calculus I | 4 | MAT 1110 | Required for the major |
| | PHY 151 or 251 | Physics | 4 | PHY 1103 OR 1150 | Required for the major |
| | UGETC | Social Science | 3 | | |
| | Pre-Major/GEC/Elective | | 3 | | |
| | Semester hours | | | 14 | |
| Semester 4: 17 hours | MAT 272 | Calculus II | 4 | MAT 1120 | Required for the major |
| | PHY 152 or 252 | Physics | 4 | PHY 1104 or 1151 | Required for the major |
| | Pre-Major/GEC/Elective | | 3 | | |
| | Pre-Major/GEC/Elective | | 3 | | |
| | Pre-Major/GEC/Elective | | 3 | | |
| Semester hours | | | 17 | | |
| Total AA degree hours | | | 63 | | |

| Appalachian Course Work: 58 hours | | | | |
|-----------------------------------|-----------------------------|-------------------------------------|--------------|---|
| Semester 5: 15 hours | Appalachian Course | Course Name | Hours | Notes |
| | MAT 2110 | Techniques & Proofs | 4 | |
| | MAT 2130 | Calculus with Analytic Geometry III | 4 | |
| | MAT 2310 | Computational Mathematics | 3 | |
| | PHY 2010 | Intermediate Physics I | 4 | |
| Semester hours | | | 15 | |
| Semester 6: 16 hours | Appalachian Course | Course Name | Hours | Notes |
| | MAT 2240 | Intro to Linear Algebra | 3 | |
| | MAT 3110 or 3220 | | 3 | Choose one |
| | PHY 2020 | Intermediate Physics II | 4 | |
| | Free Elective | | 3 | |
| Semester hours | | | 16 | |
| Semester 7: 14 hours | Appalachian Course | Course Name | Hours | Notes |
| | STT 3850 | Statistical Data Analysis I | 4 | |
| | MAT 3130 | Intro to Differential Equations | 3 | |
| | MAT 4310 | Numerical Methods | 3 | |
| | PHY course above 2000 level | | 4 | |
| Semester hours | | | 14 | |
| Semester 8: 13 hours | Appalachian Course | Course Name | Hours | Notes |
| | MAT 4040 | | 1 | Capstone |
| | Depth Course | | 3 | Choose 1 course from list on POS |
| | Major Elective | | 3 | Choose 1 course from list on POS |
| | Free Elective | | 3 | |
| | Free Elective | | 3 | Take enough hours to reach 120 required to graduate |
| Semester hours | | | 13 | |
| Total Appalachian hours | | | 58 | |

Applying to Appalachian:

- A minimum cumulative GPA of 2.25, from all post-secondary coursework, is required for admission to Appalachian.
- Students interested in applying to Appalachian should submit an on-line application and official college transcripts to be considered for admission.
- Students hoping to attend a summer or fall term are encouraged to apply by February 15th and those hoping to attend in the spring are encouraged to apply by October 15th.

Transfer Information:

- 24 hours of Physics coursework is required for this degree. Students can complete 8 hours at the community college and the remaining 16 hours will be completed at Appalachian.
- A minor is optional for this degree.
- Students will work with an Appalachian advisor, after transferring, to develop an individual graduation plan.

Transfer Resources:

Transfer Admissions & Engagement transfer.appstate.edu
Office of Admissions admissions.appstate.edu
Office of Financial Aid financialaid.appstate.edu
Scholarships scholarships.appstate.edu
Career Development careers.appstate.edu
University Housing housing.appstate.edu
Off-Campus Housing offcampushousing.appstate.edu
Campus Activities campusactivities.appstate.edu

Questions, please call Transfer Admissions & Engagement at 828-262-7877

