

# TRANSFER GUIDE/BDP

BS, Computer Science  
Appalachian State University  
2021-2022

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

**It is recommended that students start Appalachian coursework in the summer. Students should apply for the summer I term.**

## 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: 62 Transfer hours |  | Associate in Science                |       |   |                          |
|---|--|-------------------------------------|-------|---|--------------------------|
| Semester 1: 14 hours                            | NCCC Course                            | Course Name                         | Hours | Appalachian Equivalent  | Notes                    |
|   | ENG 111                                | Writing & Inquiry                   | 3     | RC 1000   |                          |
|   | MAT 171                                | Precalculus                         | 4     | MAT 1020  | Prerequisite for MAT 172 |
|   | <a href="#">UGETC</a>                  | Social Science                      | 3     |   |                          |
|   | <a href="#">UGETC</a>                  | Humanity/Fine Art                   | 3     |   |                          |
|   | ACA 122                                | College Transfer Success            | 1     |   |                          |
|   | Semester hours                         |                                     | 14    |   |                          |
| Semester 2: 17 hours                            | NCCC Course                            | Course Name                         | Hours | Appalachian Equivalent  | Notes                    |
|   | ENG 112                                | Writing/Research in the Disciplines | 3     | RC 2001   |                          |
|   | MAT 172                                | Trigonometry                        | 4     | MAT 1025  | Prerequisite for MAT 271 |
|   | <a href="#">UGETC</a>                  | Social Science                      | 3     |   |                          |
|   | <a href="#">UGETC</a>                  | Humanity/Fine Art                   | 3     |   |                          |
|   | <a href="#">UGETC</a>                  | Natural Science                     | 4     | See Transfer Information at bottom of page for major requirements |                          |
|   | Semester hours                         |                                     | 17    |   |                          |
| Semester 3: 17 hours                            | NCCC Course                            | Course Name                         | Hours | Appalachian Equivalent  | Notes                    |
|   | MAT 271                                | Calculus I                          | 4     | MAT 1110  | Required for the major   |
|   | <a href="#">UGETC</a>                  | Natural Science                     | 4     | See Transfer Information at bottom of page for major requirements |                          |
|   | <a href="#">Pre-Major/Elective/GEC</a> |                                     | 3     |   |                          |
|   | <a href="#">Pre-Major/Elective/GEC</a> |                                     | 3     |   |                          |
|   | <a href="#">Pre-Major/Elective/GEC</a> |                                     | 3     |   |                          |
|   | Semester hours                         |                                     | 17    |   |                          |
| Semester 4: 14 hours                            | NCCC Course                            | Course Name                         | Hours | Appalachian Equivalent  | Notes                    |
|   | MAT 272                                | Calculus II                         | 4     | MAT 1120  | Required for the major   |
|   | <a href="#">UGETC</a>                  | Natural Science                     | 4     | See Transfer Information at bottom of page for major requirements |                          |
|   | <a href="#">UGETC</a>                  |                                     | 3     |   |                          |
|   | <a href="#">Pre-Major/Elective/GEC</a> |                                     | 3     |   |                          |
|   | Semester hours                         |                                     | 14    |   |                          |
|   | Total AS degree hours                  |                                     | 62    |   |                          |

| Appalachian Course Work: 70 hours   |                           |                                       |              |   |
|-------------------------------------|---------------------------|---------------------------------------|--------------|---|
| <b>Summer: 10 hours</b><br>Summer I | <b>Appalachian Course</b> | <b>Course Name</b>                    | <b>Hours</b> | <b>Notes</b>  |
|                                     | CS 1440                   | Computer Science I                    | 4            | 10-week summer course   |
|                                     | MAT 2240                  | Linear Algebra                        | 3            |   |
|                                     | CS 1100                   | Discrete Math                         | 3            |   |
|                                     |                           | Semester hours                        | 10           |   |
| <b>Semester 5: 15 hours</b>         | <b>Appalachian Course</b> | <b>Course Name</b>                    | <b>Hours</b> | <b>Notes</b>  |
|                                     | Science Course            |                                       | 4            | If sciences not completed at community college, take science course |
|                                     | CS 2440                   | Computer Science II                   | 4            |   |
|                                     | STT 3850                  | Statistical Analysis                  | 4            |   |
|                                     | Free Elective             |                                       | 3            |   |
|                                     |                           | Semester hours                        | 15           |   |
| <b>Semester 6: 15 hours</b>         | <b>Appalachian Course</b> | <b>Course Name</b>                    | <b>Hours</b> | <b>Notes</b>  |
|                                     | CS 2450                   | Intro to Computer Science             | 3            |   |
|                                     | CS 2490                   | Intro to Theoretical Computer Science | 3            |   |
|                                     | CS 3430                   | Database                              | 3            |   |
|                                     | CS 3100 OR ENG 3695       |                                       | 3            | Choose one to complete Writing in the Discipline requirement        |
|                                     | CS Elective I             |                                       | 3            |   |
|                                     |                           | Semester hours                        | 15           |   |
| <b>Semester 7: 15 hours</b>         | <b>Appalachian Course</b> | <b>Course Name</b>                    | <b>Hours</b> | <b>Notes</b>  |
|                                     | CS 3481                   | Computer Systems I                    | 3            |   |
|                                     | CS 3490                   | Programming Languages                 | 3            |   |
|                                     | CS 3667                   | Software Engineering                  | 3            |   |
|                                     | CS 3460                   | Data Structures                       | 3            |   |
|                                     | CS Elective II            |                                       | 3            |   |
|                                     |                           | Semester hours                        | 15           |   |
| <b>Semester 8: 15 hours</b>         | <b>Appalachian Course</b> | <b>Course Name</b>                    | <b>Hours</b> | <b>Notes</b>  |
|                                     | CS 3482                   | Computer Systems II                   | 3            |   |
|                                     | CS 4100                   | Senior Seminar                        | 3            |   |
|                                     | CS 4800                   |                                       | 3            | Capstone  |
|                                     | CS Elective III           |                                       | 3            |   |
|                                     | CS Elective IV            |                                       | 3            |   |
|                                     |                           | Semester hours                        | 15           |   |
|                                     |                           | <b>Total Appalachian hours</b>        | <b>70</b>    |   |

#### 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.

#### Degree Information:

Science Requirement: The Computer Science major requires a minimum of 8-10 hours. Students should choose two courses in sequence from the list below:

AST 151/152; BIO 111/112, CHE 151/152, GLY 111/113, PHY 151/152PHY 251/252

- A minor is optional for this degree.
- Students will work with an Appalachian advisor, after transferring, to develop and individual graduation plan.

#### Transfer Resources:

|                                       |   |
|---------------------------------------|---|
| <b>Online &amp; Transfer Services</b> | <a href="https://transfer.appstate.edu">transfer.appstate.edu</a>                 |
| <b>Office of Admissions</b>           | <a href="https://admissions.appstate.edu">admissions.appstate.edu</a>             |
| <b>Office of Financial Aid</b>        | <a href="https://financialaid.appstate.edu">financialaid.appstate.edu</a>         |
| <b>Scholarships</b>                   | <a href="https://scholarships.appstate.edu">scholarships.appstate.edu</a>         |
| <b>Career Development</b>             | <a href="https://careers.appstate.edu">careers.appstate.edu</a>                   |
| <b>University Housing</b>             | <a href="https://housing.appstate.edu">housing.appstate.edu</a>                   |
| <b>Off-Campus Housing</b>             | <a href="https://offcampushousing.appstate.edu">offcampushousing.appstate.edu</a> |
| <b>Campus Activities</b>              | <a href="https://campusactivities.appstate.edu">campusactivities.appstate.edu</a> |

