

NC Community College **Five-Year Baccalaureate Degree Plan**

Schedule for Full-Time Students Revised Fall 2021
Pursuing AS Degree & transfer into Computer Science (BS) at NCSU.
(Placed Out Of All Developmental Courses)

North Carolina State University **strongly recommends** students complete their Associate's degree prior to transferring to NCSU. Pathways are structured for students who have completed all requirements for their Associate's degree and [qualify for the CAA](#). Students should consult both a community college advisor and the [NC State College of Engineering](#) before beginning this curricula.

This is a 5-year BDP for students with additional majors, minors or other considerations and will not provide continuous full-time enrollment without additional coursework. Summer classes may reduce the number of required NC State semesters, when appropriate. Please consult a COE advisor.

| Community College First Semester | | | |
|----------------------------------|-----------------|---------------------|---|
| NC CC Course | Hours | NC State Equivalent | Notes |
| ENG 111 | 3 | ENG 101 | ENG 101, University Writing Requirement |
| MAT 271 | 4 | MA 141 | Calculus I, Major Requirement |
| CHM 151 | 4 | CH 101 & CH 102 | General Chemistry I/Lab, Major Requirement |
| ECO 251 | 3 | EC 201 | Microeconomics, Major Economics Requirement |
| ACA 122 | 1 | TR *** | Transfer Credit |
| TOTAL | 15 credit hours | | |

| Community College Second Semester | | | |
|-----------------------------------|-----------------|---------------------|---|
| NC CC Course | Hours | NC State Equivalent | Notes |
| ENG 112 | 3 | ENG 1** | ENG 111 + ENG 112 = ENG 101 + ENG 1** |
| MAT 272 | 4 | MA 241 | Calculus II, Major Requirement |
| PHY 251 | 4 | PY 205 & PY 206 | Physics I/Lab, Major Requirement |
| EGR 150 | 2 | E *** | Engineering Elective, Departmental Substitution for E 101 |
| GEL 111 | 4 | MEA 110/MEA 111 | Basic Science Elective (CC courses CHM 152, BIO 110, BIO 111 also fulfill this requirement) |
| TOTAL | 17 credit hours | | |

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| Community College Third Semester | | | |
|----------------------------------|-----------------|---------------------|--|
| NC CC Course | Hours | NC State Equivalent | Notes |
| MAT 273 | 4 | MA 242 | Calculus III, Major Requirement |
| PHY 252 | 4 | PY 208 & PY 209 | Physics II/Lab, Major Requirement |
| HUM 110 | 3 | STS 214 | GEP Interdisciplinary Perspectives, Dept. Recommendation |
| DFT 170 | 3 | GC 120 | GEP Requirement, Departmental Recommendation |
| UGETC HUM | 3 | Varies | Recommended: ENG 231 or 232, PHI 215, PHI 240 |
| TOTAL | 17 credit hours | | |

| Community College Fourth Semester | | | |
|-----------------------------------|-----------------|---------------------|--|
| NC CC Course | Hours | NC State Equivalent | Notes |
| MAT 280 | 3 | MA 305 | Linear Algebra, Major Requirement |
| CSC 148 or 151 | 3 | CSC 116 | Intro to JAVA, Major Requirement |
| COM 231 | 3 | COM 110 | Public Speaking (may choose other appropriate UGETC Humanities or Fine Arts) |
| PSY 150/SOC 210 | 3 | PSY 200/SOC 202 | May choose other UGETC SS based on academic or professional interests |
| TOTAL | 12 credit hours | | |

Recommendations for Competitive Applicants & Program Notes:

NC State Undergraduate Admissions employs a holistic approach in reviewing transfer students' applications and considers a range of accomplishments and qualifications. Recommended courses and GPA are major critical path courses or departmental recommendations and are not minimum requirements for transfer admissions.

- > Minimum 3.0 cumulative GPA
- > English Composition I & II equal to NC State's ENG 101
- > 8 semesters Calculus equal to NC State's MA 141 & MA 241
- > Calculus-based Physics equal to NC State's PY 205 & 206
- > General Chemistry & Lab equal to NC State's CH 101 & 102
- > Please contact the College of Engineering at 919-515-3263 or engineering@ncsu.edu for additional requirements and recommendations

NC STATE UNIVERSITY

Schedule of Courses for the Computer Science (BS) (14CSCBS)

| Junior Fall | | Junior Spring | |
|-------------------------------------|----------------|--|-----------------|
| CSC 216: Software Development | 3 hours | CSC 230: C & Software Tools | 3 hours |
| CSC 217: Software Development Lab | 1 hour | ST 370: Statistics/Probability for Engr. | 3 hours |
| CSC 226: Discrete Mathematics/CSC | 3 hours | CSC 316: Data Structures/Algorithms | 3 hours |
| E 115: Intro Computing Environments | 1 hour | CSC 333: Automata/Grammars/Comp. | 3 hours |
| Total Hours | 8 hours | Total hours | 12 Hours |

| Senior Fall | | Senior Spring | |
|------------------------------------|-----------------|-------------------------------|-----------------|
| CSC 236: Org/Assembly Language | 3 hours | CSC 326: Software Engineering | 4 hours |
| CSC 246: Concepts/Facilities of OS | 3 hours | CSC 379: Ethics in Computing | 1 hours |
| ENG 331: Comm. For Engr/Tech | 3 hours | CSC Restricted Elective1 | 3 hours |
| Other Restricted Elective1 | 3 hours | Other Restricted Elective1 | 3 hours |
| Total Hours | 12 hours | Total Hours | 11 Hours |

| Fifth Year | | Fifth Year | |
|--------------------------|----------------|---------------------------------|----------------|
| CSC Restricted Elective1 | 3 hours | CSC 492: Senior Design Projects | 3 hours |
| CSC Restricted Elective1 | 3 hours | CSC Restricted Elective1 | 3 hours |
| Free Elective | 3 hours | Other Restricted Elective1 | 3 hours |
| Total Hours | 9 hours | Total Hours | 9 Hours |

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