

Curriculum Guide for AS to BS Biology: Molecular at WCU

Freshman/First Year

| 1st Semester* | | | | | 2nd Semester | | | | |
|----------------------|-----------------------|---------|--------------|----------------|----------------------------|-----------------------|---------|--------------|----------------|
| Fall | | | | | Spring | | | | |
| CC Course | WCU Course Equivalent | LS Cat. | Credit Hours | Required/Notes | CC Course | WCU Course Equivalent | LS Cat. | Credit Hours | Required/Notes |
| ENG 111 | ENGL 101 | C1 | 3 | | ENG 112/113/114 | ENGL 202 | C1 | 3 | |
| MAT 171 | MATH 130 | C2 | 4 | | COM 231 | COMM 201 | C3 | 3 | Preferred |
| History | History | P3 | 3 | Preferred | BIO 112 | BIO 141 | | 4 | Required |
| Humanities/Fine Arts | Humanities | P4 | 3 | | MAT 172 | MATH 146 | | 4 | |
| BIO 111 | BIOL 140 | C5 | 4 | Required | Social/Behavioral Sciences | Social Sciences | P1 | 3 | |
| ACA 120 | USI 130 | | 1 | | | | | | |
| Total Credit Hours | | | | | Total Credit Hours | | | | |
| 18 | | | | | 17 | | | | |

*This assumes placement into college level courses. This is only meant to be a guide. Please see your academic advisor to develop your individual plan.

Sophomore/Second Year

| 3rd Semester | | | | | 4th Semester | | | | |
|--------------------------------|-----------------------|---------|--------------|----------------|-------------------------------------|--------------------------|---------|--------------|----------------|
| Fall | | | | | Spring | | | | |
| CC Course | WCU Course Equivalent | LS Cat. | Credit Hours | Required/Notes | CC Course | WCU Course Equivalent | LS Cat. | Credit Hours | Required/Notes |
| HEA 110/PED 110/Other Elective | Wellness | C4 | 3 | | Social Science | Social Sciences | P1 | 3 | |
| MAT 271/Other Elective | MATH 153 | | 4 | Required | Fine and Performing Arts | Fine and Performing Arts | P5 | 3 | |
| PHY 151/Other Elective | PHYS 130 | | 4 | Required | Social Science (Global Perspective) | World Cultures | P6 | 3 | |
| CHM 151/Gen. Ed/UGETC Elective | CHEM 139 | C5 | 4 | Required | CHM 152/Gen. Ed/UGETC Elective | CHEM 140 | | 4 | Required |
| Total Credit Hours | | | | | Total Credit Hours | | | | |
| 15 | | | | | 13 | | | | |

Suggested Course Sequence to transfer from NCCCS
Junior/Third Year (at WCU)

| 5th Semester | | | | 6th Semester | | | |
|------------------------|--------------------------|--------------|----------|--------------------|---------------------------------------|--------------|------------------------|
| Fall | | | | Spring | | | |
| WCU Course | Course Title | Credit Hours | Notes | WCU Course | Course Title | Credit Hours | Notes |
| BIOL 240 | Introduction to Genetics | 4 | | BIOL 241 | Introduction to Ecology and Evolution | 3 | |
| CHEM 241 | Organic Chemistry I | 4 | | CHEM 242 | Organic Chemistry II | 4 | |
| Gen. Elective | | 3 | | Gen. Elective | | 3 | |
| PHY 152/Other Elective | PHYS 131 | 4 | Required | Gen. Elective | | 3 | Statistics recommended |
| Total Credit Hours | | 15 | | Total Credit Hours | | 13 | |

Senior/Fourth Year

| 7th Semester | | | | 8th Semester | | | |
|--------------------|------------------------------|--------------|-------|----------------------|------------------------------|--------------|-------|
| Fall | | | | Spring | | | |
| WCU Course | Course Title | Credit Hours | Notes | WCU Course | Course Title | Credit Hours | Notes |
| BIOL 361 | Principles of Biochemistry | 3 | | BIOL 333 | Cell & Molecular Biology | 4 | |
| BIOL Elective | Ecology and Evolutionary Set | 3 or 4 | | BIOL 419 | Cell Biology | 3 | |
| BIOL Elective | Organismal Biology Set | 3 or 4 | | BIOL Elective | Cell & Molecular Biology Set | 3 or 4 | |
| BIOL Elective | Any Set | 3 or 4 | | BIOL 480/495/498/499 | Senior Research | 3 | |
| BIOL Elective | Any Set | 4 | | | | | |
| Total Credit Hours | | 16-18 | | Total Credit Hours | | 13-15 | |

Total Credit Hours

120-125

Reminder: 30 hours of 300-400 level courses must be taken at WCU.

[More Information on B.S. Biology](#)