Curriculum Guide for AS to BS Forensic Science: Chemistry at WCU

Freshman/First Year

| 1st Semester* | Fall | | | | 2nd Semester | Spring | | | |
|---------------------------|------------|------|--------|----------------|---------------------------|-----------------|------|----------|----------------|
| | WCU Course | LS | Credit | | | WCU Course | LS | Credit | |
| CC Course | Equivalent | Cat. | Hours | Required/Notes | CC Course | Equivalent | Cat. | Hours | Required/Notes |
| ENG 111 | ENGL 101 | C1 | 3 | | ENG 112 | ENGL 202 | C1 | 3 | |
| MAT 172 | MATH 146 | C2 | 4 | | COM 231 | COMM 201 | C3 | 3 | Preferred |
| History | History | P3 | 3 | Preferred | CHM 152 | CHEM 140 | | 4 | Required |
| Humanities/Fine | | | | | | | | | |
| Arts | Humanities | P4 | 3 | | CJC 111 | CJ 150 | | 3 | Required |
| | | | | | Social/Behavioral | | | | |
| CHM 151 | CHEM 139 | C5 | 4 | Required | Sciences | Social Sciences | P1 | 3 | |
| ACA 122 | USI 130 | | 1 | | | | | <u> </u> | |
| Total Credit Hours | | | 18 | | Total Credit Hours | | | 16 | |

^{*}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.

Requirements to be admitted to Forensic Science may have students completing 5 years instead of 4.

Sophomore/Second Year

| 3rd Semester | Fall | | | | 4th Semester | 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/Behavioral Sciences | Social Sciences | P1 | 3 | |
| MAT 271/Other Elective World Cultures | MATH 153 World Cultures | P6 | 4 3 | Required | Other Elective Other Elective | Elective Elective | | 3 | |
| BIO 111/Gen. Ed/UGETC Elective | BIOL 140 | C5 | 4 | Required | PHY 151/PHY | PHYS 130 or PHYS 230 | | 4 | Required - Students can take PHYS 130 or 230. If they plan to also earn a BS in Chemistry, then PHYS 230 is recommended |
| Total Credit Hours | • | | 14 | ı | Total Credit Hours | | ! | 13 | rev 2/20/202 |

UGETC=purple shading

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

| 5th Semester | Fall | 6th Semester | Spring |
|--------------|------|--------------|--------|
| oth semester | rali | oth semester | Shiiii |

| | | Credit | | | | Credit | |
|-------------------------|-------------------------|--------|-----------------|--------------------|---|--------|------------------------|
| WCU Course | Course Title | Hours | Notes | WCU Course | Course Title | Hours | Notes |
| CHEM 241 | Organic Chemistry I | 4 | Needed to apply | CHEM 242 | Organic Chemistry II | 4 | |
| MATH 270 | Statistical Methods I | 3 | Needed to apply | FS 380/389 | Research or Co-Op Ed. | 3 | |
| PHYS 131 or PHYS 231 | Introductory Physics II | 4 | Needed to apply | CHEM 370 | Instrumental Analysis I | 4 | Offered in Spring only |
| CHEM 232 | Quantitative Analysis | 4 | | FS 466 | Physical Methods in Forensic Science | 3 | Offered in Spring only |
| Elective | | 3 | | | | | |
| Total Credit Hours | | 18 | | Total Credit Hours | | 14 | |

Senior/Fourth Year

| 7th Semester | Fall | | | 8th Semester | Spring | | |
|--------------------|---------------------------------------|-----------------|---|-------------------------|---------------------------|-----------------|--|
| WCU Course | Course Title | Credit Hours | Notes | WCU Course | Course Title | Credit Hours | Notes |
| Choice | LAW, PAR, or CJ | | Students can choose from LAW 201, PAR 230, 313, 366, CJ 305, 343, 370 | CHEM 465 | Forensic Chemistry | | Students in Chem conc. can only take CHEM 465. Course is only offered in spring. |
| FS 495 | Senior Seminar in Forensic Science | 1 | | Chemistry Concentration | | 3 | Choices have been expanded |
| CHEM 361/BIOL 361 | Principles of Biochemistry | 3 | | FS 475 | Biochemistry Lab | 1 | Must be taken after BIOL 361 |
| CHEM 352 | Physical Chemistry I | 3 | | CJ 323 | Crime Scene Investigation | 3 | |
| Elective | | 3 | | Elective | | 3 | |
| Total Credit Hours | | 13 | | Total Credit Hours | | 14 | |

Total Credit Hours 126

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

More Information on B.S. Forensic Science-Chemistry

rev. 2/20/2020 Other required hours=blue shading