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**AAS Environmental Science Technology (1505077019)**

**Program Coordinator: Jean Watts E-mail: Jean.Watts@kctcs.edu Phone: (859) 246-6448**

**Program Website:** [**https://bluegrass.kctcs.edu/education-training/program-finder/environmental-science-technology.aspx**](https://bluegrass.kctcs.edu/education-training/program-finder/environmental-science-technology.aspx)

**Student Name: Student ID:**

***Students need to be at KCTCS placement levels for all courses***

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| **First Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| ENG 101 Writing I\* | 3 |  |  |  |
| EST 150 Introductory Ecology\* | 4 |  |  |  |
| MAT 150 College Algebra\* | 3 |  |  | Must get a C or better to take CHE 175 |
| BIO 112 Introduction to Biology\* | 3 |  |  |  |
| Digital Literacy | 3 |  |  |  |
| **Total Semester Credit Hours** | **16** |  |  |  |

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| **Second Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| ENG 102 Writing II\* | 3 |  |  |  |
| COM 181 Basic Public Speaking OR COM 252 Intro to Interpersonal Communications\* | 3 |  |  |  |
| CHE 170 General College Chemistry I\* | 4 |  |  |  |
| CHE 175 General College Chemistry Lab I\* | 1 |  |  |  |
| EST 160 Hydrologic Geology\* | 3 |  |  |  |
| EST 161 Hydrologic Geology Lab\* | 1 |  |  |  |
| **Total Semester Credit Hours** | **15** |  |  |  |

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| **Third Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| Heritage/Humanities Course | 3 |  |  |  |
| EST 220 Pollution of Aquatic Ecosystems | 3 |  |  |  |
| EST 230 Aquatic Chemistry Lab | 2 |  |  |  |
| EST 240 Sources and Effects of Air Pollution | 4 |  |  |  |
| Social/Behavioral Sciences Course\* | 3 |  |  |  |
| **Total Semester Credit Hours** | **15** |  |  |  |

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| **Fourth Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| EST 170 Environmental Sampling Lab | 2 |  |  |  |
| EST 250 Solid and Hazardous Waste Mgt | 3 |  |  |  |
| EST 260 Environmental Analysis Lab | 2 |  |  |  |
| EST 270 Environmental Law and Regulation | 3 |  |  |  |
| EST 290 Applied Proj. in Env. Science Tech | 2 |  |  |  |
| Technical Elective | 3 |  |  |  |
| **Total Semester Credit Hours** | **15** |  |  |  |
| **Total Credential Hours** | **61** |  |  |  |

***Note: 25% of Total Program Credit Hours must be earned at Bluegrass Community and Technical College.***

**Advisor Name: Advisor Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Student Name: Student Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **Special Instructions:** |
| \* Satisfies General Education requirement for A.S degrees  All EST courses are only taught once per year (except for EST 160).  Courses not on the Technical Elective list may be approved at the coordinator’s discretion. |

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| **Approved Electives (if applicable)** | |
| ACH 195 | Computer-Aided Drafting I |
| BTN 101 | Introduction to Biotechnology 1 |
| BTN 201 | Biotechnology Techniques I 4 |
| BTN 202 | Biotechnology Techniques II 4 |
| CAD 100 | Intro to Computer Aided Design 3 |
| CET 211 | Surveying 4 |
| CHE 180 | General College Chemistry II\* 4 |
| CHE 185 | General College Chemistry Lab II\* ..1 |
| CIT 234 | Advanced Productivity Software 3 |
| COE 199 | Cooperative Education (Internship) ......1-3 |
| ECO 201 | Principles of Microeconomics\* ..3 |
| ENG 203 | Business Writing 3 |
| ENG 204 | Technical Writing ..3 |
| EST 299 | Selected Topics in EST ..1-3 |
| GLY 101 | Physical Geology\* .3 |
| GLY 111 | Physical Geology Laboratory\* 1 |
| PHY 151 | Introductory Physics I\* ..3 |
| STA 210 | Statistics: A Force in Human Judgement\*3 |