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**Computer Aided Drafting and Design (1513014049)**

**Diploma**

**Program Coordinator: William M (Mike) Franklin E-mail:** [**william.franklin@kctcs.edu**](mailto:william.franklin@kctcs.edu) **Phone: (859) 246-6771**

**Program Website:** [**https://bluegrass.kctcs.edu/education-training/program-finder/computer-aided-drafting-design.aspx**](https://bluegrass.kctcs.edu/education-training/program-finder/computer-aided-drafting-design.aspx)

**Student Name: Student ID:**

***Students need to be at KCTCS placement levels for some courses, please verify with coordinator***

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| **First Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** | |
| CAD 1021 Drafting Fundamentals | 4 |  |  |  | |
| CAD 1002 Introduction to CAD | 3 |  |  |  | |
| SMT 1103 Principles of Surveying | 3 |  |  |  | |
| MAT 116 Technical Mathematics\* | 3 |  |  | Quantitative Reasoning | |
| CAD 103 CAD Fundamentals | 0-4 |  |  | or Demonstrated Digital Literacy | |
| **Total Semester Credit Hours** | **13-17** |  |  |  |

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| **Second Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** | |
| CAD 120 Introduction to Architecture | 4 |  |  |  | |
| CET 150 Civil Engineering Graphics | 3 |  |  | Substitute for CAD 112 | |
| CAD 201 Parametric Modeling | 4 |  |  |  | |
| CAD 293 Special Problems | 1-4 |  |  | Technical Elective | |
| ENG 101 Writing I | 3 |  |  | Satisfy Gen Ed Area 1 | |
| **Total Semester Credit Hours** | **15-18** |  |  |  |

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| **Third Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| CAD 200 Intermediate CAD | 4 |  |  |  |
| CET 295 Independent Problems | 1-4 |  |  | Technical Elective/Substitute Class |
| Technical Elective4 | 1-4 |  |  |  |
| **Total Semester Credit Hours** | **6-12** |  |  |  |

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| **Fourth Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| CAD 298 Practicum | 1-3 |  |  | Or CAD 299 Cooperative Education |
| Technical Elective4 | 3-4 |  |  |  |
|  |  |  |  | Diploma can be completed in three (3) |
|  |  |  |  | semesters |
| **Total Semester Credit Hours** | **7-11** |  |  |  |
| **Total Credential Hours** | **48-53** |  |  |  |

***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:** |
| \*Math requirements can be satisfied by one of the following courses:  MAT 116, MAT 126, MAT 150 or higher level math course per coordinator approval.   1. or ACH 100 or BRX 120 2. or ACH 195 3. or CAD 108 4. Technical Electives include most other classes with prefix CAD, CET, ACH, GIS, BRX or other related fields and should be approved with the program coordinator. |