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**Architectural Technology**

**Associate in Applied Science degree**

**Program Coordinator: Jeff Durham E-mail:** **jeff.durham@kctcs.edu** **Phone: 859-246-6541**

**Program Website: https://bluegrass.kctcs.edu/education-training/program-finder/architectural-technology.aspx**

**Student Name: Student ID:**

***Students must meet college readiness benchmarks as identified by the Council on Postsecondary Education or remedy the identified skill deficiencies.***

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| **First Semester** | **Credits****Hours** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| ACH 100 Construction Documents I | 3 |  |  |  |  |
| ACH 110 Survey of the Architectural Profession | 1 |  |  |  |  |
| ACH 120 Theory and History of Architecture I | 3 |  |  |  |  |
| ACH 160 Building Materials and Construction I | 3 |  |  |  |  |
| ACH 195 Computer-Aided Drafting I | 3 |  |  |  |  |
| ENG 101 Writing I | 3 |  |  |  |  |
| **Total Semester Credit Hours** | **16** |  |  |  |

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| **Second Semester** | **Cr. Hrs.** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| ACH 150 Construction Documents II | 3 |  |  | ACH 100 |  |
| ACH 161 Building Materials and Construction II | 3 |  |  |  |  |
| ACH 170 Theory and History of Architecture II | 3 |  |  |  |  |
| ACH 175 Introduction to Systems | 3 |  |  |  |  |
| MAT 116 Technical Mathematics OR MAT 150 College Algebra OR Other Quantitative Reasoning course approved by program coordinator | 3 |  |  |  |  |
| Digital Literacy | 0-3 |  |  |  |  |
| **Total Semester Credit Hours** | **15-18** |  |  |  |

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| **Third Semester** | **Cr. Hrs.** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| ACH 200 Construction Documents III | 3 |  |  | ACH 150 and ACH 195 |  |
| ACH 225 Structures | 3 |  |  | ACH 175 & Quantitative Reasoning course |  |
| Technical Courses | 5 |  |  |  | See list on back |
| Heritage or Humanities course | 3 |  |  |  |  |
| Natural Sciences course | 3 |  |  |  |  |
| **Total Semester Credit Hours** | **17** |  |  |  |

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| **Fourth Semester** | **Cr. Hrs.** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| ACH 250 Construction Documents IV | 3 |  |  | ACH 200 |  |
| ACH 260 Office Practice | 3 |  |  | ACH 110 and ACH 200 |  |
| ACH 275 Mechanical and Electrical Systems | 3 |  |  | ACH 175 & Quantitative Reasoning course |  |
| Technical Courses | 5 |  |  |  | See list on back |
| Social and Behavioral Sciences course | 3 |  |  |  |  |
| **Total Semester Credit Hours** | **17** |  |  |  |
| **Total Degree Credit Hours** | **65 – 68** |  |  |  |

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| * **25% or more of Total Degree Credit Hours must be earned at BCTC**
* **Cumulative GPA must be 2.0 or higher**
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**Graduation Requirements:**

**Advisor Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Advisor Contact \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **Additional Information** |
| Additional suggested General Education Courses (Not required): ENG 102 Writing II Oral Communications course (COM 181 Basic Public Speaking OR COM 252 Interpersonal Communications)Students planning to transfer to a 4-year institution with a major in Architecture, Landscape Architecture, Construction Management, or similar field should contact an Architectural Technology program advisor during their first semester to plan an appropriate course of study.  |

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| **Course Rotation Schedule for Required Courses****(Other ACH Core courses are offered in both the Fall and Spring semesters.)** |
|  | **Fall** | **Spring** |
| ACH 120 Theory and History of Architecture I | X (in person and online) | X (online only) |
| ACH 160 Building Materials and Construction I | X |  |
| ACH 161 Building Materials and Construction II |  | X |
| ACH 170 Theory and History of Architecture II |  | X |
| ACH 225 Structures | X |  |
| ACH 275 Mechanical and Electrical Systems |  | X |

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| **Technical Courses****(These courses are not offered every semester.)** |
| **Course** | **Cr. Hrs.** | **Prerequisites** **(As listed below or Consent of Instructor)** |
| ACH 180 Selected Topics in Architectural Technology | 1-3 |  |
| ACH 194 Visual Composition | 3 |  |
| ACH 198 Practicum in Architectural Technology | 1-3 | 12 credit hours in ACH courses with a minimum cumulative GPA of 2.0 |
| ACH 280 Revit/Building Information Modeling | 2 | ACH 195 |
| ACH 290 Building Codes I | 3 | ACH 150 and 160 |
| ACH 291 Construction Management | 3 | ACH 150, ACH 160 and ACH 161  |
| ACH 292 Building Codes II | 3 | ACH 290 |
| ACH 293 Presentation Techniques | 3 | ACH 100 |
| ACH 294 Specification Writing | 3 | ACH 150, ACH 160 and ACH 161 |
| ACH 295 Computer Aided Drafting II | 3 | ACH 195 |
| ACH 297 Estimating Techniques | 3 | ACH 150 and MAT 116 |
| ACH 298 Computer 3D Modeling | 3 | ACH 150 and ACH 185 |
| COE 199 Cooperative Education: Architectural Tech | 1-3 |  |