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**Architectural Technology**

**Associate in Applied Science degree**

**Program Coordinator: Tom Rogers E-mail:** [**tom.rogers@kctcs.edu**](mailto:tom.rogers@kctcs.edu) **Phone: 859-246-6543**

[**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** |  |  |  |

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| **Total Degree Credit Hours** | **65-68** |  |  |  |

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| * **25% or more of Total Program Credit Hours must be earned at BCTC** * **Cumulative GPA must be 2.0 or higher** |

**Graduation Requirements:**

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

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| **Additional Information** |
| Additional suggested General Education Courses (Not required). NOTE: These courses will not be eligible for financial aid.  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 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 260 Office Practice |  | 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 126 |
| ACH 298 Computer 3D Modeling | 3 | ACH 150 and ACH 185 |
| COE 199 Cooperative Education: Architectural Tech | 1-3 | 12 credit hours in ACH courses with a minimum cumulative GPA of 2.0 |