[Architectural Technology](https://bluegrass.kctcs.edu/education-training/program-finder/architectural-technology.aspx)

Associate in Applied Science

Coordinator: Tom Rogers (tom.rogers@kctcs.edu) 859-246-6543

Student Name: Student ID:

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

Semester 1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | Cr. Hrs. | Term | Grade | Prerequisites | Notes |
| ACH 100 Construction Documents I | 3 |  |  |  |  |
| ACH 110 Survey of the Arch. Profession | 1 |  |  |  |  |
| ACH 120 Theory and His. of Architecture I | 3 |  |  |  |  |
| ACH 160 Building Materials and Const. I | 3 |  |  |  |  |
| ACH 195 Computer-Aided Drafting I | 3 |  |  |  |  |
| ENG 101 Writing I | 3 |  |  |  |  |
| Total Semester Credit Hours | 16 |  |  |  |  |

Semester 2

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

Semester 3

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | 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 |
| Heritage or Humanities course | 3 |  |  |  |  |
| Natural Sciences course | 3 |  |  |  |  |
| Total Semester Credit Hours | 17 |  |  |  |  |

Semester 4

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | 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 |
| Social and Behavioral Sciences course | 3 |  |  |  |  |
| Total Semester Credit Hours | 17 |  |  |  |  |
| Total Degree Credit Hours | 65-68 |  |  |  |  |

**Graduation Requirements:**

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

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

**Additional Information**

Additional suggested General Education Courses (Not required). NOTE: These courses will not be eligible forfinancial 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.

**Course Rotation Schedule for Required Courses (Other ACH Core courses are offered in both semesters)**

|  |  |  |
| --- | --- | --- |
| Course | 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 |

**Architectural Technology Elective Courses**

|  |  |  |
| --- | --- | --- |
| Course | Cr. Hrs. | Prerequisites |
| 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 |

*Reviewed by: Tom Rogers Effective Term: Fall 2021*

 *Review Date: 02-03-2021*