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

Associate in Applied Science

Coordinator: Ezra Sword (ezra.sword@kctcs.edu) 859-246-6769

Student Name: Student ID:

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

NOTE: Students can start the program at any point in the rotation. They may take any CAR course that is being offered with the exception of CAR 298 and CAR 299.

Semester 1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | Cr. Hrs. | Term | Grade | Prerequisites | Notes |
| BRX 220 Blueprint Reading for Construction | 3 |  |  |  |  |
| CAR 126 Intro to Construction  | 3 |  |  |  |  |
| CAR 127 Intro to Construction – Lab | 1 |  |  | Coreq: CAR 126 |  |
| CAR 140 Surveying & Foundations  | 3 |  |  |  |  |
| CAR 141 Surveying & Foundations – Lab | 2 |  |  | Coreq: CAR 140 |  |
| ENG 101 Writing I | 3 |  |  |  |  |
| Digital Lit. or demonstrated competency | 0-3 |  |  |  |  |
| Total Semester Credit Hours | 15 – 18 |  |  |  |  |

Semester 2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | Cr. Hrs. | Term | Grade | Prerequisites | Notes |
| CAR 190 Light Frame Construction I  | 3 |  |  |  |  |
| CAR 191 Light Frame Construction I – Lab | 2 |  |  | Coreq: CAR 190 |  |
| CAR 196 Light Frame Construction II  | 3 |  |  |  |  |
| CAR 197 Light Frame Construction II – Lab | 2 |  |  | Coreq: CAR 196 |  |
| Social and Behavioral Sciences course | 3 |  |  |  |  |
| Natural Sciences course | 3 |  |  |  |  |
| Total Semester Credit Hours | 16 |  |  |  |  |

Semester 3

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | Cr. Hrs. | Term | Grade | Prerequisites | Notes |
| CAR 200 Light Frame Construction III | 3 |  |  |  |  |
| CAR 201 Light Frame Construction III Lab | 2 |  |  | Coreq: CAR 200 |  |
| ISX 100 Industrial Safety | 3 |  |  |  |  |
| MAT 105 Business Mathematics OR Higher level Quantitative Reasoning course | 3 |  |  |  |  |
| CAR 298 Practicum in Construction OR CAR 299 Co-op in Construction | 2 – 4  |  |  | Permission of Program Coordinator |  |
| Heritage or Humanities course | 3 |  |  |  |  |
| Total Semester Credit Hours | 16 – 18 |  |  |  |  |

Semester 4

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | Cr. Hrs. | Term | Grade | Prerequisites | Notes |
| Technical Elective course | 3 |  |  |  | See List |
| Technical Elective course | 2 |  |  |  | See List |
| Technical Elective course | 3 |  |  |  | See List |
| Technical Elective course | 2 |  |  |  | See List |
| Oral Communications course | 3 |  |  |  |  |
| Total Semester Credit Hours | 13 |  |  |  |  |
| Total Degree Credit Hours | 60 – 65 |  |  |  |  |

**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**

Core courses are on a 4-semester rotation. Students should take each CAR course when offered.

**Approved Technical Elective Courses**

|  |  |  |
| --- | --- | --- |
| Course | Cr. Hrs. | Prerequisites |
| BRX 120 Basic Blueprint Reading | 3 |  |
| CAR 150 Construction Formwork | 3 |  |
| CAR 151 Construction Formwork – Lab | 2 | Coreq: CAR 150 |
| CAR 198 Special Topics in Construction | 1 – 6  | Instructor Consent required |
| CAR 240 Light Frame Construction IV | 3 |  |
| CAR 241 Light Frame Construction IV – Lab  | 2 | Coreq: CAR 240 |
| Other courses approved by Construction Technology Program Coordinator | 1 – 10  |  |

**Embedded Credentials**

|  |  |  |  |
| --- | --- | --- | --- |
| Credential | Title | Requirements | Total Cr. Hours |
| Diploma | Construction Carpenter | BRX 220, CAR 126, CAR 127, CAR 140, CAR 141, CAR 190, CAR 191, CAR 196, CAR 197, ENG 101, Digital Literacy, CAR 200, CAR 201, ISX 100, MAT 105 OR Higher Level Math, CAR 298 OR CAR 299, Technical Electives (10 Cr. Hrs.) | 48 – 53 |
| Certificate | Basic Carpenter | CAR 126, CAR 127, Technical Electives (5 Cr. Hrs.) | 9 |
| Certificate | Residential Roofer | BRX 220, CAR 126, CAR 127, CAR 196, CAR 197 | 12 |
| Certificate | Residential Site Layout Assistant | CAR 126, CAR 127, CAR 140, CAR 141, Tech. Electives (6 Cr. Hrs.) | 15 |
| Certificate | Carpenter Helper | BRX 220, CAR 126, CAR 127, CAR 140, CAR 141, CAR 190, CAR 191 | 17 |
| Certificate | Rough Carpenter | BRX 220, CAR 126, CAR 127, CAR 140, CAR 141, CAR 190, CAR 191, CAR 196, CAR 197 | 22 |
| Certificate | Construction Forms Helper | BRX 220, CAR 126, CAR 127, **(CAR 150, CAR 151)**, Technical Electives (6 Cr. Hrs.) | 18 |
| Certificate | Residential Carpenter | BRX 220, CAR 126, CAR 127, CAR 140, CAR 141, CAR 190, CAR 191, CAR 196, CAR 197, CAR 200, CAR 201, **(CAR 240, CAR 241)** | 32 |

**Diploma Requirements:**

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

**Certificate Requirements:**

* 25% or more of Total Certificate Credit Hours must be earned at BCTC.
* Grade of C or higher in each course required for certificate.

*Reviewed by: Ezra Sword Effective Term: Fall 2021*

 *Review Date: 04-09-2021*