

# Building Trades Technology

## Semester Course Outline • 2024 – 2025

18 Months (4 Semesters) • Revised: 1/17/24

Associate of Applied Science (A.A.S.) Degree • Credits Required for Graduation: 73



### First Year – Fall Semester

| Course Number  | Course Title                     | Clock Hours | Credits |
|--|----------------------------------|-------------|---------|
| BTT 112  | OSHA/Safety                      | 14          | .5      |
| BTT 116  | Construction Technology I        | 84          | 3       |
| BTT 117  | Basic Construction I A           | 112         | 4       |
| BTT 121  | Basic Construction I B           | 106         | 7       |
| AED 100  | Automated External Defibrillator | 14          | .5      |
| • Selected Mathematics Course (Choose one)<br>MATH 100 – Applied General Math<br>MATH 101 – Intermediate Algebra<br>MATH 114 – College Algebra * |                                  | 45          | 3       |
| <b>Total</b>   |                                  | 375         | 18      |

### First Year – Spring Semester

| Course Number  | Course Title                         | Clock Hours | Credits |
|--|--------------------------------------|-------------|---------|
| BTT 128  | Commercial Construction              | 84          | 3       |
| BTT 131  | Interior Finishing                   | 56          | 2       |
| BTT 147  | Intermediate Construction II A       | 84          | 3       |
| BTT 148  | Intermediate Construction II B       | 56          | 2       |
| BTT 156  | Residential Drafting/CAD             | 56          | 2       |
| BTT 158  | Basic Welding                        | 28          | 1       |
| CSC 102  | Windows Applications for Technicians | 45          | 3       |
| • Selected Communications Course (Choose one)<br>CMST 101 – Foundations of Communication* (CSS 100 – Career Search Strategies .5 credit)<br>COMM 101 – Communications and Career Strategies<br>ENGL 101 – Composition * (CSS 100 – Career Search Strategies .5 credit) |                                      | 45          | 3       |
| <b>Total</b>   |                                      | 454         | 19      |



**Second Year – Fall Semester**

| Course Number  | Course Title                  | Clock Hours | Credits |
|--|-------------------------------|-------------|---------|
| BTT 202  | Site Preparation and Concrete | 42          | 1.5     |
| BTT 204  | Construction Technology II    | 42          | 1.5     |
| BTT 209  | Advanced Construction III A   | 336         | 12      |
| <ul style="list-style-type: none"> <li>Selected Behavioral Science Course (Choose one)</li> <li>PSYC 100 – Psychology of Human Relations</li> <li>PSYC 101 – General Psychology *</li> </ul> |                               | 45          | 3       |
| <b>Total</b>   |                               | 465         | 18      |

**Second Year – Spring Semester**

| Course Number  | Course Title                | Clock Hours | Credits |
|--|-----------------------------|-------------|---------|
| BTT 220  | Construction Estimating     | 56          | 2       |
| BTT 235  | Advanced Construction III B | 308         | 11      |
| BTT 252  | Energy Efficiency           | 56          | 2       |
| <ul style="list-style-type: none"> <li>Selected Social Science Course (Choose one)</li> <li>ECON 105 – Leadership in the Global Workplace</li> <li>ECON 201 – Principles of Microeconomics I *</li> <li>ECON 202 – Principles of Macroeconomics II *</li> <li>SOC 100 – Introduction to Sociology *</li> </ul> |                             | 45          | 3       |
| <b>Total</b>   |                             | 465         | 18      |

- Students will select a course in each of the areas listed to meet general education requirements. Courses marked with an asterisk (\*) can be transferred directly to the university system. Students should speak with an advisor before doing so.

Students who select to take transferable communications course CMST 101 or ENGL 101, must also register for CSS 100 – Career Search Strategies for .5 credit. This curriculum is required for all Lake Area Tech graduates and is included in the COMM 101 course but is separate from the university system.