

Building Trades Technology • Apprenticeship

Semester Course Outline • 2023 – 2024

18 Months (4 Semesters) • Revised: 1/18/23

Associate of Applied Science (A.A.S.) Degree • Credits Required for Graduation: 72



First Year

Course Number	Course Title	Credits
BTT 112	OSHA/Safety 1015-1 OSHA – 30	.5
BTT 116	Construction Technology I 1015-1 Carpentry Tools of the Trade 1015-1 Sharpening of Hand and Power Tools 0116-2 Building Materials 0116-2 Plans and Specifications 0116-2 Leveling Instruments	3
BTT 117	Basic Construction I A 0116-2 Footing and Foundations 0116-2 Roof Framing Systems 1016-1 Windows and Exterior Doors	4
BTT 121	Basic Construction I B	7
BTT 131	Interior Finishing 0117-2 Interior Wall and Ceiling Finish	2
BTT 147	Intermediate Construction II A 0117-2 Interior Wall and Ceiling Finish 0117-2 Thermal and Sound Insulation	3
BTT 148	Intermediate Construction II B	2
AED 100	Automated External Defibrillator 1016-1 Rigging, Scaffolding, Ladder Safety	.5
Selected MATH (Choose one)	MATH 100 – Applied General Math MATH 101 – Intermediate Algebra MATH 114 – College Algebra * 1015-1 Mathematics for Carpenters	3
Total		25

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Second Year

Course Number	Course Title	Credits
BTT 202	Site Preparation and Concrete 0116-2 Footings and Foundations	1.5
BTT 204	Construction Technology II 0116-2 Floor Framing 0116-2 Wall and Ceiling Framing 1016-1 Roof Review 1016-1 Roofing Material 0117-2 Finish Flooring	1.5
BTT 209	Advanced Construction III A	12
BTT 235	Advanced Construction III B	11
BTT 252	Energy Efficiency 0117-2 Stair Construction	2
Total		28

Additional Building Trades and General Education Credits Required

Course Number	Course Title	Credits
BTT 128	Commercial Construction	3
BTT 156	Residential Drafting/CAD	2
BTT 220	Construction Estimating	2
CSC 102	Windows Applications for Technicians	3
<ul style="list-style-type: none"> Selected Behavioral Science Course (Choose one) PSYC 100 – Psychology of Human Relations PSYC 101 – General Psychology * 		3
<ul style="list-style-type: none"> Selected Communications Course (Choose one) CMST 101 – Fundamentals of Speech * (CSS 100 – Career Search Strategies .5 credit) COMM 101 – Communications and Career Strategies ENGL 101 – Composition * (CSS 100 – Career Search Strategies .5 credit) 		3
<ul style="list-style-type: none"> Selected Social Science Course (Choose one) ECON 105 – Leadership in the Global Workplace ECON 201 – Principles of Microeconomics I * ECON 202 – Principles of Macroeconomics II * SOC 100 – Introduction to Sociology * 		3
Total		19

- 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.