

# Construction Trades Green Technology

## Associate in Applied Science

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The Construction Trades Green Technology program prepares students with both the theoretical and applied knowledge necessary to gain successful employment in the construction industry. Students will also develop a solid foundation in “green” building in accordance with National Association of Home Builders (NAHB) guidelines. Students will also gain a thorough understanding of energy efficiency and conservation practices related to home design and construction. The curriculum is aligned with national competency standards and trade specific skills, and is not designed as a transfer degree. A variety of courses also prepare the student to take nationally recognized certification exams. Students in this program will develop the understanding and skills to build, inspect, repair, and weatherize structures utilizing trade specific tools and equipment; blueprints and plans; and develop the ability to manage projects while controlling costs. Students will also gain an understanding of fundamental business practices. Salary ranges vary depending upon the type of position obtained, field of choice, and geographic region.

<b>Communications</b>	<b>Prerequisites (Minimum Grade of C Required)</b>
<input type="checkbox"/> ENGL 103 or ENGL 103W	CRIT 103 or CRIT 103W or test scores
<input type="checkbox"/> SPEE 102	None; CRIT 103 or CRIT 103W or test scores, highly recommended
<b>Mathematics</b>	<b>Prerequisites (Minimum Grade of C Required)</b>
<input type="checkbox"/> MATH 102	MATH 098 or test scores
<b>Core Classes</b>	<b>Prerequisites (Minimum Grade of C Required)</b>
<input type="checkbox"/> BUSI 200	CRIT 103 or CRIT 103W or test scores (concurrent enrollment allowed)
<input type="checkbox"/> BUSI 240	Strongly recommended to be taken at the end of a student’s program.
<input type="checkbox"/> CADD 101	None
<input type="checkbox"/> CONS 114	CRIT 103 or CRIT 103W or test scores (concurrent enrollment allowed)
<input type="checkbox"/> CONS 115	MATH 098 or test scores
<input type="checkbox"/> CONS 117	None
<input type="checkbox"/> CONS 130	None
<input type="checkbox"/> CONS 135	None
<input type="checkbox"/> CONS 140	ISYS 110
<input type="checkbox"/> CONS 145	None
<input type="checkbox"/> CONS 150	None
<input type="checkbox"/> CONS 161	ISYS 110 (concurrent enrollment allowed)
<input type="checkbox"/> CONS 165	None
<input type="checkbox"/> CONS 169	None
<input type="checkbox"/> CONS 180	CADD 101
<input type="checkbox"/> CONS 255	Minimum grade of C in all first semester Construction Trades Technology courses
<input type="checkbox"/> ISYS 110	None

<b>First Semester</b>		
<i>Course ID</i>	<i>Course Name</i>	<i>Credits</i>
BUSI 200	Small Business Management	3
BUSI 240	Professionalism Workshop	1
CONS 114	Intermediate Construction Practices	8
CONS 117	Print Reading for Construction Trades	2
ISYS 110	Introduction to Computer Technology	3
	Total Credits	17

<b>Second Semester</b>		
<i>Course ID</i>	<i>Course Name</i>	<i>Credits</i>
CONS 115	Construction Math	2
CONS 130	Interior & Exterior Finishes	3
CONS 135	Electrical & Mechanical Systems	3
CONS 140	Quantity and Cost Estimating	3
CONS 145	Administration & Scheduling	3
CONS 255	Internship	3
	Total Credits	17

<b>Third Semester</b>		
<i>Course ID</i>	<i>Course Name</i>	<i>Credits</i>
CADD 101	Introduction to CAD/Auto CAD	4
CONS 165	Building Analyst/Envelope	4
ENGL 103 or ENGL 103W	Freshman English II or Freshman English II w Workshop	3-4
MATH 102	Mathematical Literacy	4
	Total Credits	15-16

<b>Fourth Semester</b>		
<i>Course ID</i>	<i>Course Name</i>	<i>Credits</i>
CONS 169	Green Professional	2
CONS 150	Solar Energy Technology	1
CONS 161	REScheck Building Energy Codes	2
CONS 180	Design and Planning	5
SPEE 102	Fundamentals of Public Speaking	3
	Total Credits	13

**Total Program Credits = 62-63**  
**Courses taken out of sequence may delay a student's ability to complete the program in a timely manner.**