Construction Technology –
Building Trades

PROGRAM DESCRIPTION
This Associate of Applied Science degree builds the skills required to provide professional and quality workmanship in the construction industry. The core curriculum stresses the theory and application of rough and finish electrical and/or plumbing, depending on which trade the student chooses, for residential and commercial construction. Instruction includes classroom and laboratory course work.

STUDENT LEARNING OUTCOMES
• Analyze construction prints to include: site, foundation, floor, electrical, plumbing and structural plans; sectional and detail views.
• Calculate electrical and/or plumbing related formulas.
• Differentiate the equipment, materials or systems necessary for residential or commercial electrical and/or plumbing situation.
• Interpret electrical and/or plumbing building codes.
• Describe how to troubleshoot and repair problems that arise in electrical and/or plumbing systems.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

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<tr>
<th>COURSE</th>
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<td>PSY 101 or SOC 101 or SPAN 101B</td>
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<td>U.S. AND NEVADA CONSTITUTIONS</td>
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<td>PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217</td>
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SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)

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<td>BT 290B Work Experience</td>
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<td>BT 299B Building Trades Capstone Course</td>
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<tr>
<td>CADD 100 Introduction to Computer Aided Drafting</td>
<td>3</td>
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<tr>
<td>CONS 120B Printreading and Specifications</td>
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<td></td>
</tr>
<tr>
<td>CONS 282B Construction Law</td>
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<tr>
<td>CONS 288B Quality Control of Construction Waste</td>
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<tr>
<td>SCT 101B Fundamentals of Sustainable Construction</td>
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<td>IS 101 Introduction to Information Systems</td>
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NOTE • Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
• Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements.
For more information visit www.csn.edu/honors.
• In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
• Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
The following is a suggested pathway, or course sequence by term, for this academic program. The following factors may affect the time it takes to complete the pathway as listed:

- The term (fall, spring, summer) in which the student enters the program because class availability varies by term.
- Where the student placed in the Math and English course sequence (i.e. taking courses below 100) and completion of course pre-requisites.
- Meeting with the student’s designated program counselor or advisor to determine academic readiness to succeed in a particular course. Use of appropriate services (writing center, math resource center, etc.) may be in order to support successful course completion.

<table>
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<th>Semester</th>
<th>Requirement</th>
<th>Credit Hours</th>
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<td>Gen. Ed. Fine Arts/Humanities/Social Sciences Req.</td>
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<td>Fifth Semester</td>
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<td>PSC 101 Introduction to American Politics</td>
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Pathway Course Total 60-65
Degree Total 60

Revised May 2015
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<td>Gen. Ed. Human Relations Requirement</td>
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<td>Special Program Core Requirements</td>
<td>CONS 288B Quality Control of Construction Waste</td>
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| **Pathway Course Total** | | 60-65 | |
| **Degree Total** | | 60 | |

*Revised May 2015*