



# Building Inspection Technology Associate of Science Degree

This program prepares individuals for employment in building inspection. Contractors, government agencies, architects, finance companies and developers may employ graduates. A wide variety of employment opportunities exist in the fast-growing construction industry in the Sacramento Valley.

## SUGGESTED PROGRAM COURSE SCHEDULE

### SEMESTER 1

15 UNITS

Course	Units	Pre-Reqs <sup>^</sup>	Semesters offered*	GE Area
<b>BIT 101</b> Intro to the International Residential Code	3		Rotating odd F then S (e.g., F17, S19, F21, S23)	
<b>BIT 112</b> Building Inspection Principles for Disabled Access	3	Advisory: BIT 100	F	
<b>CRC Area I</b> Humanities	3		F, S, Su	CRC Area I
<b>CRC Area II(a)</b> Writing competency	3	Recommend meeting with a counselor	F, S, Su	CRC Area II(a)
<b>CRC Area II(b)</b> Math competency	3	Recommend meeting with a counselor	F, S, Su	CRC Area II(b)

### SEMESTER 2

16 UNITS

Course	Units	Pre-Reqs <sup>^</sup>	Semesters offered*	GE Area
<b>BIT 100</b> Intro to the International Business Code	3		S(even yr)	
<b>BIT 120</b> Mechanical I/Plumbing Code	3	Advisory: CMT 300	F(even yr)	
<b>CMT 310</b> Materials of Construction	3	Advisory: CMT 300	F(O), S(O)	
<b>CRC Area III(a)</b> Physical Edu Activity	1		F, S, Su	CRC Area III(a)
<b>CRC Area IV</b> Natural Science	3		F, S, Su	CRC Area IV
<b>CRC Area V(b) &amp; VI</b> Social Beh. Sciences/Ethnic Multicultural Studies**	3		F, S, Su	CRC Area V(b) & Area VI

<sup>^</sup>You must have passed the prerequisite course(s) with a "C" or better; Corequisite must be taken during the same semester; Advisory means it is recommended but not required to enroll in the course.

\* (O) = online available (H) = hybrid available

\*\* Select a course that double counts in Area V(b) and Area VI.

### Career Options/Outlook:

Construction & Building Inspectors inspect structures using engineering skills to determine structural soundness and compliance with specifications, building codes, and other regulations. Inspections may be general in nature or may be limited to a specific area, such as electrical systems or plumbing.

### A sample of reported job titles:

Building Code Administrator, Building Inspection Engineer, Building Inspector, Building Official, Combination Building Inspector, Construction Inspector, Construction Materials Testing Technician, Elevator Inspector, Inspector, Plumbing Inspector

### Projected job opening in California (2018-2028):

1,420

### Projected growth in California:

Faster than average (+10%)

### Salary in California:

Median wage (2018): \$89,740/yr

Source:

<https://www.onetonline.org/link/summary/47-4011.00>

**SEMESTER 3**

**15 UNITS**

Course	Units	Pre-Reqs <sup>^</sup>	Semesters offered*	GE Area
<b>BIT 121</b> Mechanical II/ H.V.A.C. Code Requirements	3	Advisory: CMT 300	Rotating odd F then S (e.g., F17, S19, F21, S23)	
<b>BIT 140</b> Electrical I	3	Advisory: BIT 100	F(even yr)	
<b>CRC Area III(b)-</b> Life Development Skills	3		F, S, Su	CRC Area III(b)
<b>Select 6 units from the following (a total of 18 units needed for the degree; 12 units needed for the certificate):</b>				
<b>BIT 102</b> Reading Non-Structural Plan Review	3	Advisory: ADT 300 & BIT 100	Check Class Schedule for Offering	
<b>BIT 104</b> International Building Code-Fire & Life Safety	3	Advisory: BIT 100 & CMT 300	S(even year)	
<b>BIT 106</b> Intro to Special Inspection-Concrete, Masonry, Steel, & Soils	3		S(odd year)	
<b>BIT 130</b> Intro to Inspection of Wood Frame	3		S(even year)	
<b>BIT 141</b> Electrical II	3	Advisory: BIT 140	S	
<b>BIT 150</b> California Energy Code-Building Energy Efficiency Standards	3		F(even year)	
<b>BIT 152</b> HERS I, Field Verification & Diagnostic Testing for Code Compliance	3	Advisory: BIT 150	Check Class Schedule for Offering	
<b>BIT 154</b> California Green Building Standards Code	3		S(even year)	

**SEMESTER 4**

**15 UNITS**

Course	Units	Pre-Reqs <sup>^</sup>	Semesters offered*	GE Area
<b>12 units from the above list</b> Not already taken (6 units for the certificate)	12			
<b>CRC Area V(a)-</b> American Institutions	3		F, S, Su	CRC Area V(a)

<sup>^</sup>You must have passed the prerequisite course(s) with a "C" or better; Corequisite must be taken during the same semester; Advisory means it is recommended but not required to enroll in the course.

\*(O) = online available (H) = hybrid available

**Honors option:**

The CRC Honors Program is designed specifically for academically accomplished students and for students with the potential for high achievement. Students who complete 15 units or more in honors-designated courses will earn special recognition as an Honors Scholar, a distinction that may entitle the student to guaranteed transfer and scholarship opportunities at select transfer colleges and universities.

**Transfer notes:**

Please meet with a counselor for specific transfer course evaluation or transferring to a specific 4-year institution.

**General Education (GE):**

Non-specified GE courses identified by CRC Area, CSU Area or IGETC Area without pre- or co-requisite can be taken at any semester.

**Courses in red** meet the requirement for the Certificate of Achievement in Building Inspection Technology.

