



# Building Inspection Technology A.S. 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.

**Total Units: 61-62**

## First Year

### Semester 1

**15-16 Units**

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*	GE AREA
<b>BIT 101</b> Introduction to the International Residential Code	3		Rotating odd F then S (i.e., S19, F21, S23)	
<b>BIT 112</b> Building Inspection Principles for Disabled Access	3	Advisory: BIT 100	F	
<b>CRC Area I-Humanities</b> <sup>Z</sup>	3		F, S, Su	CRC Area I
<b>CRC Area II(a)-Writing Competency</b> <sup>Z</sup>	3	Recommend meeting with a counselor	F, S, Su	CRC Area II(a)
<b>CRC Area II(b)-Math Competency</b> <sup>Z</sup>	3-4	Recommend meeting with a counselor	F, S, Su	CRC Area II(b)

<sup>Z</sup> At least one section of this course is offered with free textbooks and is labeled as zero textbook costs (ZTC). If it is a GE area class or elective, there may be several ZTC offerings to fulfill the GE requirement. Use the Free Textbook filter to find these courses. Learn more on the [ZTC page of the college website](#).

### Semester 2

**16 Units**

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*	GE AREA
<b>BIT 100</b> Introduction to the International Building Code	3		S(even year)	
<b>BIT 120</b> Mechanical I/Plumbing Code Requirements	3	Advisory: CMT 300	F(even year)	
<b>CMT 310</b> <sup>Z</sup> Materials of Construction	3	Advisory: CMT 300	F(O), S(O)	
<b>CRC Area III(a)-Physical Edu Activity</b> <sup>Z</sup>	1		F, S, Su	CRC Area III(a)

## 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 openings in California (2020-2030):

1,380

### Projected growth in California (2020-2030):

3% growth

### Median Salary in California (2021):

\$81,390/yr

COURSE	UNITS	PRE-REQS <sup>^</sup>	SEMESTERS OFFERED*	GE AREA
<b>CRC Area V(b)-Soc &amp; Beh Sciences &amp; Area VI-Ethnic/Multicultural Studies<sup>1</sup></b> <b>Z</b>	3		F, S, Su	CRC Area V(b) & VI
<b>CRC Area IV-Natural Sciences</b> <b>Z</b>	3		F, S, Su	CRC Area IV

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<sup>1</sup> Choose a course that will satisfy both Area V(b) and VI.

## Year 2

### 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 (i.e., S19, F21, S23)	
<b>BIT 140</b> Residential Electrical Code Requirements	3	Advisory: BIT 100	F(even year)	
<b>CRC Area III(b)-Life Development Skills</b> <b>Z</b>	3		F, S, Su	CRC Area III(b)
<b>3 units from List A</b>	3	See List A	See List A	
<b>3 units from List A</b>	3	See List A	See List A	

**Z** At least one section of this course is offered with free textbooks and is labeled as zero textbook costs (ZTC). If it is a GE area class or elective, there may be several ZTC offerings to fulfill the GE requirement. Use the Free Textbook filter to find these courses. Learn more on the [ZTC page of the college website](#).

### Semester 4

15 Units

COURSE	UNITS	PRE-REQS <sup>^</sup>	SEMESTERS OFFERED*	GE AREA
<b>3 units from List A</b>	3	See List A	See List A	
<b>3 units from List A</b>	3	See List A	See List A	
<b>3 units from List A</b>	3	See List A	See List A	
<b>3 units from List A</b>	3	See List A	See List A	
<b>CRC Area V(a)- American Institution</b> <b>Z</b>	3		F, S, Su	CRC Area V(a)

## Source:

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

## 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.

## This program meets the requirement for

the Certificate in Achievement in Building Inspection Technology; only a minimum of 12 units from List A is required for the Certificate.

## About this map:

This program map represents one possible pathway to complete the program. Please see a counselor to create an education plan that is customized to meet your needs. This map is not a guarantee of course availability or financial aid applicability.

## Zero Textbook Costs (ZTC):

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^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 (P) = partially online

## List A-a minimum of 18 units from the following:

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*	GE AREA
<b>BIT 102</b> Plan Reading and 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> <b>Z</b> Introduction to Special Inspection- Concrete, Masonry, Steel, and Soils	3		S(odd year)	
<b>BIT 130</b> Introduction to Inspection of Wood Frame Construction	3		S(even year)	
<b>BIT 141</b> Commercial Electrical Code Requirements	3	Advisory: BIT 140	S	
<b>BIT 150</b> <b>Z</b> California Energy Code – Building Energy Efficiency Standards	3		F(even year)	
<b>BIT 154</b> California Green Building Standards Code	3		S(even yr)	

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The Zero Textbook Costs designation and logo are added to any course that provides free access to all required instructional materials. These are typically shared with students through Canvas. Courses that are designated as ZTC may still require students to purchase supplemental materials such as lab coats, a calculator, art supplies, etc. See full definitions and searching tips on the [Zero Textbook Costs page](#) of the college website.