

Construction Management Technology, AAS

The construction management technology degree prepares individuals to manage, coordinate, and supervise the construction process from concept development through project completion on timely and economic bases. Topics include construction processes and techniques; construction contracting; organization and scheduling; applicable codes and regulations; cost estimating; building information modeling (BIM); personnel management and labor relations; business skills; site safety; and sustainable building fundamentals.

Graduates are ready for work as managers, inspectors, field supervisors, and estimators in small and mid-size construction companies. An associate of applied science degree is awarded upon the successful completion of 63 credit hours.

(Major Code 2310; State CIP Code 52.2001)

- Construction Management (<http://www.jccc.edu/academics/industrial-technology/construction-management>)

Associate of Applied Science Degree

First Semester

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|------------------------------|-------------------------------------|----|
| Program Elective (see below) | | 3 |
| CET 105 | Construction Methods | 3 |
| CET 125 | Construction Specifications* | 2 |
| DRAF 129 | Interpreting Architectural Drawings | 2 |
| ENGL 121 | Composition I* | 3 |
| MATH 120 | Business Mathematics* (or higher) | 3 |
| Total Hours | | 16 |

Second Semester

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| ACCT 111 or ACCT 121 | Small Business Accounting Accounting I | 3 |
| CET 123 | Building Codes | 3 |
| CET 129 | Construction Management | 3 |
| CET 205 | Advanced Construction Methods* | 3 |
| INDT 155 | Workplace Skills | 1 |
| Social Science and/or Economics Elective ^ | | 3 |
| Total Hours | | 16 |

^ See all AAS general education electives (<http://catalog.jccc.edu/degree/requirements/associate-applied-science>)

Third Semester

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| CET 160 | Green Building Fundamentals | 3 |
| CET 227 | Construction Cost Estimating* | 3 |
| CET 229 | Advanced Construction Management* | 3 |
| DRAF 143 | Introduction to BIM Building Information Modeling* | 2 |
| INDT 150 | Construction Safety/OSHA 30 | 3 |
| Total Hours | | 14 |

Fourth Semester

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|---|------------------------------|----|
| Program Elective (see below) | | 3 |
| BUS 140 | Principles of Supervision | 3 |
| CET 140 | Civil Engineering Materials* | 3 |
| CET 225 | Construction Documents* | 2 |
| Communications, Science, or Math Elective ^ | | 3 |
| Humanities Elective ^ | | 3 |
| Total Hours | | 17 |

^ See all AAS general education electives (<http://catalog.jccc.edu/degreerequirements/associate-applied-science>)

Program Electives

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|----------|---|---|
| BUS 120 | Management Attitudes and Motivation | 3 |
| BUS 141 | Principles of Management | 3 |
| BUS 145 | Small Business Management | 3 |
| BUS 150 | Business Communications* | 3 |
| BUS 243 | Human Resource Management | 3 |
| BUS 261 | Business Law I* | 3 |
| CET 271 | Construction Management Internship I* | 3 |
| CET 272 | Construction Management Internship II* | 3 |
| CPCA 105 | Introduction to Personal Computers: Windows | 1 |
| CPCA 108 | Word Processing I: MS Word* | 1 |
| CPCA 110 | Spreadsheets I: MS Excel* | 1 |
| CPCA 121 | Introduction to Project Management* | 1 |
| CPCA 128 | PC Applications: MS Office | 3 |
| DRAF 130 | Introduction to CAD Concepts - AutoCAD* | 3 |
| DRAF 132 | Exploring AutoCAD | 3 |
| DRAF 230 | Intermediate CAD: AutoCAD* | 3 |
| DRAF 243 | Advanced BIM: Revit* | 2 |
| DRAF 244 | Civil 3D* | 2 |
| DRAF 252 | Structural Design and Drafting* | 3 |
| DRAF 264 | CAD:Interior Design* | 3 |
| DRAF 271 | Drafting Internship I* | 3 |
| DRAF 272 | Drafting Internship II* | 3 |
| ENGR 131 | Engineering Graphics I:AutoCAD* | 4 |
| ELTE 202 | Electrical Estimating* | 3 |
| ENTR 120 | Introduction to Entrepreneurship | 2 |
| ENTR 142 | Business Plan | 3 |
| ENTR 180 | Opportunity Analysis | 2 |
| SPD 120 | Interpersonal Communication | 3 |

Total Program Hours: 63