

BACHELOR OF SCIENCE IN CONSTRUCTION MANAGEMENT

Construction Management prepares students to work in an integrated team with a diverse group of owners, architects, engineers, construction craftspersons, and material suppliers. The manager helps to ensure that the owner's goals for cost, schedule, quality, and sustainability are met. Students may enter the Bachelor of Science program as first-year students or as transfer students. Our graduates have excellent placement rates and starting salaries.

The Bachelor of Science degree in Construction Management at ESF is distinguished by a strong emphasis on project-based learning, a unique focus on sustainability, a hands-on laboratory environment, and a strong relationship with Syracuse University.

- Students are engaged each semester in classes, clubs, and competitions that allow them to take on responsibility and deliver projects for the campus and community. Whether building bridges or tiny homes, planning net zero projects for displaced residents or autistic children, CM students are building our future. To read how the CM students won a national prize for their work, and then helped the project be built.
- ESF is a leader in sustainability, and the Construction Management program is no different. Our CM students take multiple courses on sustainability, and a majority take and pass the LEED Green Associate exam. CM students help to organize and run the NYS Green Building Conference, where they meet and engage with professionals on the cutting edge of the industry.
- The green building materials lab, the wood machining lab, and the material testing lab give students the hands-on experience to understand the materials and processes used for construction.
- ESF construction managers work alongside Syracuse University architects and engineers on integrated team projects and competitions. ESF Construction Management students taking classes at Syracuse University find themselves working with students from Real Estate, Management, Architecture, and Civil Engineering majors.

The educational program, leading to the professional Bachelor of Science degree in Construction Management, is accredited by the American Council for Construction Education.

Lower Division Required Courses

APM 104	College Algebra & PreCalculus	3
APM 105	Survey Of Calc & Appl I	4
CME 132	Orientation Seminar:SCME	1
CME 215	Sustainable Construction	3
CME 226	Statics&Mechanics of Materials	4
CME 106	Engr Materials/Sustainable Cons	3
CME 332	Mech/Elect Equipment	3
CME 142	Light Construction	3

EWP 190	Writing And The Envrnment	3
EWP 220	Public Presentation Skills	3
EWP 290	Research Writing & Humanities	3
FCH 110	Survey of Chemical Principles	3
FCH 111	Survey/Chemical Principles Lab	1
FOR 205	Principles of Accounting	3
FOR 207	Introduction To Economics	3
FOR 360	Principles of Mgmt/Envrn Prof	3
PHY 211	General Physics I	0 - 8
PHY 221	General Physics I Laboratory	0 - 8

General Education Courses

Course	Codes*	Credits
General Education Course in one of the following categories: US History & Civic Engagement, The Arts, World History and Global Awareness, World Languages	G	3
General Education Course in Diversity, Equity, Inclusion and Social Justice	G	3

Upper Division Required Courses

APM 391	Intro/Probability&Stats	3
CME 255	Plan Interpn&Quantity Takeoff	3
CME 303	Construction Mngmnt Internship	1 - 4
CME 305	Sustainable Energy Sys/Bldgs	3
CME 327	Site Investigatns & Solutions	3
CME 331	Construction Safety	3

CME 335	Cost Engineering	3
CME 343	Construction Estimating	3
CME 404	Applied Structures	3
CME 405	Bldg Info Modelng/Cons Mgt	3
CME 453	Construct Plan/Scheduling	3
CME 454	Capstone in Construction Mngmt	3
CME 455	Construct Contracts/Specs	3
CME 497	Senior Ethics Seminar	1
ERE 371	Surveying For Engineers	3
FOR 485	Business and Managerial Law	3
RMS 387	Renewable Mat/Sustainable Cons	3
RMS 422	Composite Mat/Sustainable Cons	3

Free Electives

Course	Codes*	Credits
Electives		18

Total Minimum Credits For Degree: 124

