



Bowling Green State University

**College of Technology, Architecture, and Applied Engineering
School of the Built Environment
Department of Construction Management
Bowling Green | Ohio 43403 | 419-372-2724**

**ACCREDITATION DOCUMENTATION
BACHELOR OF SCIENCE IN CONSTRUCTION MANAGEMENT DEGREE PROGRAM**

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The baccalaureate program in construction management is accredited by the American Council for Construction Education (ACCE) and is a charter member of the Associated Schools of Construction.

Admission Requirements

Bowling Green State University requires a high school record that includes four units each of English and Mathematics; three units of Science and Social Studies; two units of a Foreign Language; and one unit of Visual or Performing Arts (<https://www.bgsu.edu/admissions/apply-now/freshmen.html>). Freshmen applicants who do not meet the academic standards for admission may be offered admission to the University Program for Academic Success – UPAS (<https://www.bgsu.edu/residence-life/Test>). These students are not allowed to select a major and would not be in the Construction Management program till they are transferred out of the UPAS program and officially admitted to BGSU.

The University admission system has six different categories: Freshmen Undergraduate, Transfer Undergraduate, Returning Undergraduate, Non-traditional Student, International Student, and Multi-cultural Student. Freshmen application is considered on the basis of four criteria:

- High school coursework/curriculum
- Cumulative grade point average
- Official ACT or SAT results
- Class rank

BGSU's minimum suggested requirement is a 20 ACT or 1040 SAT, combined with a 2.5 cumulative high school GPA for admittance. When students apply with their test score to BGSU, the average range of ACT scores without super-scoring is 20 - 25 and the average range of SAT scores without super-scoring is 1020 - 1190. The average GPA at Bowling Green State University is 3.4.

All new students apply to Bowling Green State University using BG's online application ([bgsu.edu/admissions](https://www.bgsu.edu/admissions)) or the Common Application (<http://www.commonapp.org/school/bowling-green-state-university>).

Freshmen application instructions are clearly articulated on the University website under the Office of Admissions (<https://www.bgsu.edu/admissions/apply-now/freshmen/application-instructions.html>). Students are asked to indicate their choice of majors. If they are admitted to BGSU, they can select "Construction Management" and begin that program immediately when they start school. Within this context, the admissions process begins at the College-level with a BGSU specific application or common application. Review of the applications is at the College level in BGSU's Admissions Office. Some programs might have additional requirements, which would be reviewed by those offices. However, Construction Management does not have additional admissions requirements, besides being admitted to BGSU.

The admission of international students involves English language proficiency requirement (<https://www.bgsu.edu/admissions/apply-now/freshmen/application-instructions.html>).

Regarding transfer student admissions, any student who has attempted 12 or more college-level semester hours after high school graduation (or equivalent) is considered a transfer student. Transfer admission requirements vary based on the number of college-level hours the student has earned at all colleges/universities (accumulative). All college-level coursework taken after high school graduation is considered when calculating the GPA for admission. Additionally, if the transfer student has earned fewer than 24 semester hours (36 quarter hours) of college-level credit, their high school GPA is taken into consideration (<https://www.bgsu.edu/admissions/apply-now/transfer-students/transfer-admission-requirements.html>).

Student Achievements

Bowling Green State University is well known for its Construction Management Program. Several alumni of the BGSU Construction Management Program hold high level executive positions such as President, Vice President, Regional Manager, Business Manager, including other distinguished titles with their respective construction companies. Employers come from across the nation to hire our students. One of the most prominent highlights of the Program is that our student are required to complete three co-ops, prior to graduation.

With an emphasis on practicum-based learning, the Construction Management Program capitalizes on the Cooperative Education Program which was founded in 1968, requiring practical work experience to be integrated with classroom instruction. Construction Management majors are required to complete three 15-week, full-time, paid work assignments. The cooperative education experience allows students to receive a grounded and well-rounded holistic experience, in a professional setting, as they learn proper procedures and methods to be employed full time upon graduation. This hands-on learning not only offers invaluable practical experience, but in many cases, may lead to the student's first permanent job. The Cooperative Education Program is accredited by the Accreditation Council for Cooperative Education and provides an effective measure for keeping the Construction Management Program and its faculty in close contact with current trends and developments in the industry.

At the University-level, there is also a Career Center where staff members are available to help students explore career and major options, identify and secure cooperative education and internship experiences, and search for job and graduate school opportunities (<https://www.bgsu.edu/career-center.html>).

The retention rate in the major has remained above 80 percent during the past five years. This speaks to the students enjoying the classes, the faculty and the many opportunities offered through the co-op program and extracurricular activities. All of the Construction Management students are encouraged to join and become an active member in the Student Construction Management Association (SCMA) and Purple Hard Hats (PHH). These organizations offers many opportunities for personal growth and learning throughout the school year. Highlights of these opportunities include industry speakers, estimating competitions, service learning, career fairs and other events such as golf outings and construction site visits.

Student Placement

The Cooperative Education Office in the College of Technology, Architecture, and Applied Engineering (<https://www.bgsu.edu/technology-architecture-and-applied-engineering/cooperative-education-program.html>) in conjunction with the University's Career Center (<https://www.bgsu.edu/career-center.html>) provides career services such as resume writing, mock interviews and career fairs. Classroom presentations, group and one-on-one meetings, and various employer events are organized to assist students with finding co-ops and full-time permanent placement upon graduation. Most importantly, the annual banquet and job fair (held in fall semester) are prepared and administered by the student organization (SCMA), which is attended by contractors, parents, faculty, staff and students. During the past few years, more than 320 companies have employed our construction management students either via co-op opportunities or full-time employment upon graduation.

The BGSU Office of Academic Assessment solicits, gathers, and reports data relative to graduating students. Graduation survey data is collected and reported at commencement and thereafter, a follow-up survey is conducted six months after graduation.

Per the “*Graduation Survey Data At Six Months After Graduation*” spreadsheet, for the school year of 2021-2022, 92.50% of respondents indicated that they had accepted a job, 2.50% of respondents indicated that they were continuing their current job, and 5.00% of respondents indicated that they had committed to service/volunteer positions. Data summaries related to Student Placement for our construction management students is displayed as follows:

- 1) Graduation Survey Data At Commencement;
- 2) Graduation Survey Data At Six Months After Graduation;
- 3) Salary Information; and
- 4) Job Titles

(see data summaries in charts below)

Graduation Survey Data at Commencement for the Past Seven Years (2015-2022)
 Construction Management - CONM-BSCM

Q2: Which statement best describes your employment status:

AY	Accepted a Job		Looking for a Job		Continuing Current Job		Seeking Further Education		Opening a Business		Completing a Post-Graduation Internship		Postponing Job Search		Committed to Service/Volunteer Position		None of the Above		Grand total N	Six Months from Graduation % with Plans
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%		
AY2021-22	36	83.72%	4	9.30%	1	2.33%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	4.65%	0	0.00%	43	90.70%
AY2020-21	27	84.38%	3	9.38%	1	3.13%	1	3.13%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	32	90.63%
AY2019-20	17	85.00%	1	5.00%	1	5.00%	0	0.00%	1	5.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	20	95.00%
AY2018-19	17	89.47%	1	5.26%	1	5.26%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	19	94.74%
AY2017-18	32	82.05%	4	10.26%	2	5.13%	0	0.00%	1	2.56%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	39	89.74%
AY2016-17	33	94.29%	0	0.00%	0	0.00%	0	0.00%	2	5.71%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	35	100.00%
AY2015-16	16	69.57%	3	13.04%	3	13.04%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	4.35%	23	86.96%
Grand Total	178	84.36%	16	7.58%	9	4.27%	1	0.47%	4	1.90%	0	0.00%	0	0.00%	2	0.95%	1	0.47%	211	92.42%

Note. Percent with plans includes all graduates who indicated an employment status other than "Looking for a Job."

Prepared by the BGSU Office of Academic Assessment 12/20/2022.

Graduation Survey Data at Six Months After Graduation for the Past Seven Years (2015-2022)
 Construction Management - CONM-BSCM

Q2: Which statement best describes your employment status:

AY	Accepted a Job		Looking for a Job		Continuing Current Job		Seeking Further Education		Opening a Business		Completing a Post-Graduation Internship		Postponing Job Search		Committed to Service/Volunteer Position		None of the Above		Grand total	Six Months from Graduation % with Plans
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%		
AY2021-22	37	92.50%	0	0.00%	1	2.50%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	5.00%	0	0.00%	40	100.00%
AY2020-21	27	93.10%	0	0.00%	1	3.45%	1	3.45%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	29	100.00%
AY2019-20	18	90.00%	0	0.00%	1	5.00%	0	0.00%	1	5.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	20	100.00%
AY2018-19	17	94.44%	0	0.00%	1	5.56%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	18	100.00%
AY2017-18	32	88.89%	0	0.00%	3	8.33%	0	0.00%	1	2.78%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	36	100.00%
AY2016-17	33	94.29%	0	0.00%	0	0.00%	0	0.00%	2	5.71%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	35	100.00%
AY2015-16	17	77.27%	0	0.00%	4	18.18%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	4.55%	22	100.00%
Grand Total	181	90.50%	0	0.00%	11	5.50%	1	0.50%	4	2.00%	0	0.00%	0	0.00%	2	1.00%	1	0.50%	200	100.00%

Note. Students are included in these data if they "complete" the Graduation Survey. Students who responded at the time of commencement that they were "looking for a job" were sent a follow-up survey six months post commencement. Those students who responded to the follow-up survey are included in the data set, and those students who do not respond to the follow-up survey are excluded from the data set.

Prepared by the BGSU Office of Academic Assessment 1/13/2023.

Graduation Survey Data at Six Months After Graduation for the Past Seven Years (2015-2022)
 Construction Management - CONM-BSCM

Q10: Please identify your starting annual salary.

AY	Less than \$24,999		\$25,000 to \$34,999		\$35,000 to \$44,999		\$45,000 to \$54,999		\$55,000 to \$64,999		\$65,000 to \$74,999		\$75,000 to \$84,999		\$85,000 to \$94,999		\$95,000 to \$104,999		\$105,000 to \$114,999		\$115,000 to \$124,999		More than \$125,000		Not Applicable		Total N	Mean Starting Salary \$		
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%				
AY2021-22	0	0.00%	0	0.00%	0	0.00%	4	20.00%	10	50.00%	5	25.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	5.00%	20	\$60,525.82
AY2020-21	0	0.00%	0	0.00%	2	12.50%	0	0.00%	8	50.00%	6	37.50%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	16	\$61,249.50
AY2019-20	0	0.00%	0	0.00%	2	14.29%	4	28.57%	7	50.00%	1	7.14%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	14	\$54,999.50
AY2018-19	0	0.00%	1	9.09%	0	0.00%	3	27.27%	3	27.27%	1	9.09%	0	0.00%	1	9.09%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	18.18%	11	\$57,777.28
AY2017-18	0	0.00%	0	0.00%	4	14.81%	8	29.63%	7	25.93%	6	22.22%	1	3.70%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	3.70%	27	\$56,922.58
AY2016-17	0	0.00%	1	4.17%	2	8.33%	7	29.17%	10	41.67%	3	12.50%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	4.17%	24	\$55,216.89
AY2015-16	0	0.00%	0	0.00%	3	21.43%	6	42.86%	4	28.57%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	7.14%	14	\$50,768.73
Grand Total	0	0.00%	2	1.59%	13	10.32%	32	25.40%	49	38.89%	22	17.46%	1	0.79%	1	0.79%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	6	4.76%	126	\$56,916.17

Note. Students are included in these data if they "complete" the Graduation Survey. Students who responded at the time of commencement that they were "looking for a job" were sent a follow-up survey six months post commencement. Those students who responded to the follow-up survey are included in the data set, and those students who do not respond to the follow-up survey are excluded from the data set.

Graduation Survey Data at Six Months After Graduation for the Past Seven Years (2015-2022)
Construction Management - CONM-BSCM

Q9: What is your position title?

Apprentice
Assistant Estimator
Assistant Field Manager
Assistant Foreman
Assistant Project Engineer
Assistant Project Manager (6)
Assistant Superintendent (6)
Assistant Supervisor
CAD Technician
Carpenter
Contractor
Controls Sales and Support
Do All
Engineer 1
Estimating Engineer
Estimator (4)
Estimator/ Project Manager (2)
Estimator/Assistant Project Manager
Estimator/Field Engineer
Field Engineer (17)
Field Manager 1
Field Project Engineer (3)
Human Resources
Inside Sales
Manager
Office Engineer
Preconstruction Engineer
Project Engineer (40)
Project Engineer 1
Project Estimator
Project Management (2)
Project Manager (7)
Project Manager, Lead Technician
Project Manager/Estimator
Project Technology Coordinator
Quality Control/Engineer
Second Lieutenant (2)
Superintendent (3)
Tactical Aircraft Maintenance
Undetermined

Student Competition Awards

- 1) In fall 2019, our BGSU student estimating team won the 2nd place in the Heavy Civil Competition. This event was held in Chicago and was sponsored by F. H. Paschen.
- 2) In spring 2020, our BGSU student estimating team won the 1st place in the New-B New Builders competition held in Cincinnati.
- 3) In spring 2023, our BGSU student estimating team won the 1st place in the New-B New Builders competition held in Cincinnati.

Student Activities

Through SCMA and PHH, along with faculty support and encouragement, students regularly participate in service opportunities such as the Black Swamp Arts Festival, Habitat for Humanity, and STEM in the Park. Other student activities in the past few years are as follows:

- 1) In spring 2022, a group of six SCMA students volunteered their time and worked on a lean-to maintenance shelter for Van Buren State Park on Saturday. The structure measured 20' x 40'.
- 2) In spring 2022, Purple Hard Hats, a women's student organization in construction management at BGSU was featured in – "The Blade, Toledo, Ohio", for their leadership and volunteer efforts related with the second annual Habitat for Humanity of Wood County "Women Build: Make It – Take It Event".
- 3) In fall 2022, our SCMA and PHH students volunteered their time and participated in a "STEM for Girls" event organized by the American Heart Association (held at the Owens Corning campus in Toledo) - the event was attended by more than 100 female students (7th and 8th graders) from multiple inner-city schools in Toledo.
- 4) In spring 2022, our SCMA and PHH students coordinated and participated in a STEM Day for more than 100 students (3rd graders) from the Whitehouse School District.

Most of the Construction Management students are members of the Construction Management Department student organization Student Construction Management Association (SCMA). SCMA serves as the umbrella organization for student chapters and involvement in the following organizations:

- Associated General Contractors (AGC)
- National Association of Home Builders (NAHB)
- National Association of Women in Construction (NAWIC)
- Purple Hard Hats (Female Student Organization at BGSU)
- National Electrical Contractors Association (NECA)
- The Ohio Contractors Association (OCA)

The executive committee, SCMA Faculty Advisor, and department faculty maintain relationships with the various organizations and encourage student membership and participation. The involvement includes, participating in competitions sponsored by these organizations, attending conferences and

attending events where students are invited. For example, one specific event is the OCA “Contractor for a Day.” At this annual event, students are able to visit multiple local jobsites in a one-day tour.

The main activities of SCMA include monthly meetings, Fall Banquet and Career Fair, the Annual Industry Golf Outing, Estimating Competitions, Cleveland Bus Trip for Jobsite Visits, and numerous Community Outreach/Service-Learning Events. The Construction Management Department regularly holds an industry-focused event for all students in the Program and the School - the *Friday Industry Spotlight Events* in which companies have the opportunity to connect with Construction Management students and faculty in the School. These events are organized and coordinated by SCMA.

Student leaders belonging to SCMA and PHH organizations attend Departmental and School meetings to foster collaboration between faculty and students. Along with activities of the SCMA and PHH, students in the Department participate in many formal and informal university opportunities. These include student government, fraternities, sororities, and many sports and social activities.

Student Scholarships

In 2020, Bowling Green State University announced the receipt of a transformational \$1 million gift from the Owens Corning Foundation to create scholarships for underrepresented students in the School of the Built Environment. The *Owens Corning Scholars Program* is intended to support students studying architecture and construction management in the School of the Built Environment (<https://www.bgsu.edu/news/2020/11/owens-corning-foundation-announces-one-million-gift-to-create-scholarships-for-bgsu-students.html>).

The College attracts high achieving students because of its *Tech Works Scholarship Program*. This grant from the State of Ohio allows the College to award scholarships to those majoring in Construction Management as long as they have a 3.4 GPA and a 23 on the ACT (<https://www.bgsu.edu/news/2017/05/new-scholarships-available-to-ohio-students-in-the-college-of-te>).

BGSU also offers *Freshman Academic Scholarships* (<https://www.bgsu.edu/financial-aid/apply-for-aid/scholarships/new-freshmen.html>). This Scholarship is for students who have a minimum 20 ACT or 1020 SAT and a 3.0 GPA. The amounts range from \$1,000 to \$9,500, depending on credentials. The *Tech Works Scholarship* and *Freshman Academic Scholarship* can be paired together up to the cost of tuition.

BGSU also offers a scholarship for out-of-state students called the *BG Success Scholarship*. Eligibility is based on cumulative GPA of 3.0 or higher on a 4.0 scale or 20 ACT composite or 1040 SAT (critical reading plus math) scores. In addition, the University also offers the *Falcon Achievement Award* and the *Robert and Ellen Thompson Scholarship Program for Working Families* (<https://www.bgsu.edu/financial-aid/apply-for-aid/scholarships/new-freshmen.html>).

The university provides incoming students with information on the financial aid process that includes a comprehensive financial aid checklist. Information on financial aid availability, application process, and related scholarship resources are provided at the BGSU website (<https://www.bgsu.edu/financial-aid/apply-for-aid.html>).

The Department of Construction Management in the School of the Built Environment also has several scholarship opportunities available to qualified Construction Management students. Specifically, the

following scholarships are available to Construction Management students as listed below:

SCHOLARSHIP	DESCRIPTION	MAJORS	NUMBER AWARDED	AMOUNT AWARDED
Steven P. Krakoff Scholarship	The Steven P. Krakoff Scholarship was established to support a student in the School of Built Environment in the College of Technology, Architecture and Applied Engineering.	ARCH / CONS	1	\$3,475.89
Colvin Family Scholarship	Scholarship recognizes a full-time student who is able to balance their education, campus involvement and part-time work experience to maximize their university experience.	CONS	1	\$1,422.06
Department of Construction Management PBC Scholarship	The PBC Scholarship was established to support construction management students.	CONS	2	\$4000 Each
E.S. Wagner Company Scholarship	The E.S. Wagner Company Scholarship was established for the purpose of supporting students in the College of Technology, Architecture & Applied Engineering's Construction Management programs.	CONS	2	1705 Each
IPS Construction Management Scholarship	Scholarship recognizes hard working men and women employed by Industrial Power Systems or partner with to successfully fulfill their mission and to provide Scholarship assistance to a full-time student majoring in construction management technology.	CONS	1	\$1,303.61
Kuhlman Corporation Scholarship	The Kuhlman Corporation Scholarship was established to provide support to a deserving senior or graduate student majoring in construction technology.	CONS	1	\$2,500.00
Mosser Construction Scholarship	Scholarship recognizes students exhibiting leadership attributes in the field of Construction Management and Technology.	CONS	1	\$1,228.35
Rudolph/Libbe Construction Management & Technology Scholarship	Scholarship recognizes a junior, senior or graduate student majoring in Construction Management and Technology program.	CONS	1	\$2,243.93
SSOE Group Construction Management Scholarship	The SSOE Group established this scholarship to recognize student achievement in Construction Management and to enhance the academic mission of the College of Technology, Architecture and Applied Engineering.	CONS	1	\$1,511.14
The Shelly Company Scholarship	The Shelly Company Scholarship has been established to provide financial assistance to students enrolled in the	CONS	1	\$1,000.00

	Construction Management Program in the College of Technology, Architecture and Applied Engineering.			
Thomas C. Bach Memorial Scholarship	Scholarship provides scholarship support to students who are pursuing an undergraduate degree, which leads to employment in the construction or manufacturing industry.	CONS, ENGT / MMET / M&T	1	\$1,389.66

In addition to the scholarships listed above, there are seven general scholarships that are open to all College majors, including Construction Management students as follows:

- Ardanall B. Mason Memorial Scholarship
- Dr. Frank Dick Technology Book Award
- Frederick C. Stone Memorial Scholarship
- Gedeon Memorial Scholarship
- Invenergy – Building Our Clean Energy Future Scholarship
- Laimbeer Family Scholarship
- Savage Family Leadership Scholarship

The Da Vinci Society Fund was established by the College to support undergraduate and graduate research. Through an application and proposal process, students can apply for funding.

A non-endowed fund titled Construction Management Advancement Program (CMAP) was created to enhance student and faculty activities, not otherwise funded by the School operating budget. Expenses tied to this fund could include (but are not limited to) equipment, supplies, student recruitment and retention, travel and professional development for faculty, staff, and students, alumni activities and other general Program expenses. Funding for the Advancement fund comes from donations to the Program. Institutional development campaigns are managed by the BGSU Foundation.

The College of Technology, Architecture, and Applied Engineering maintains information and control of internal scholarships that are available to Construction Management students. In addition to these scholarships, there are several scholarships made available by external individuals and organizations. A detailed listing of scholarships and their criteria are available to Construction Management students, as follows:

- 1) BGSU Academic Works
<https://bgsu.academicworks.com/>
- 2) College of Technology, Architecture, and Applied Engineering website
<https://www.bgsu.edu/technology-architecture-and-applied-engineering/scholarships.html>