

## BUILDING CONSTRUCTION MANAGEMENT TECHNOLOGY

### Information for the General Public

#### Mission Statement of the Construction Management Program

"To promote and improve construction education in our district by providing construction management training for entry-level positions in construction and providing efficient transfer options."

In order to fulfill our commitment to the mission statement above, the program has set the goals below.

1. Provide a high quality of technical and applied construction education at the Associate's Degree level.
2. Provide opportunity for graduates to continue their education beyond the associate degree.
3. Increase visibility of the program, in the region and state, which will enhance the reputation of construction education at College of DuPage.
4. Maintain contact with industry in order to insure that the program content is current and appropriate.

#### Admission Standards and Procedures

College of DuPage maintains an open enrollment policy. To attend, you must be ONE of the following:

- 18 years of age
- A high school graduate
- Earned your GED

Students must show appropriate scores before registering for college level English, and math courses. These requirements can be met in one of the following ways:

ACT composite score of If you are under the age of 18, you may be considered as an Early Admission Student.

#### Reading Placement:

Students are required to take the Reading Placement Test unless they have one of the following:

- College-level credit totaling 12 semester hours with at least a "C" average.
- College certificate, Associate degree, BA/BS degree, Graduate degree.
- ACT composite score of 20. *Proof of score must be provided.*
- SAT verbal/critical reading score of 500. *Proof of score must be provided*
- TOEFL score of 550 paper/pencil, 213 computer based or 79 internet based. *Proof of score must be provided.*
- COMPASS Reading test transferred from another institution with minimum cut-off score. *Proof of score must be provided.*
  - Reading (Native) test score of 75 and above
  - ESL Reading test score of 80 and above
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#### Writing Placement

For placement into English 1101 or 1105 students are required to take the Writing Placement Test unless they have one of the following:

- ACT composite score of 20. *Proof of score must be provided.*
- COMPASS Writing test transferred from another institution with minimum cut-off score. *Proof of score must be provided.*
- COMPASS Essay (e-write) transferred from another institution with minimum cut-off score. *Proof of score must be provided*
  - Reading (Native) test score of 70 and above
    - Less than 70 with an e-write score of 10-12
  - ESL Grammar test score of 94 and above
  - ESL Writing test score of 11-12

- ESL Listening/Speaking and Language/Culture test score of 92 and above

#### Math and Science Placement

The Construction Management AAS degree requires students to complete either of the math classes and the Physics class listed below. (Transfer schools may require additional and/or higher level math and science classes for transfer). For placement into these classes students are required to have completed the appropriate high school classes and the Math Placement test unless they have one of the following:

##### Math 1115

- COMPASS Algebra score transferred from another institution of 45.  
*Proof of score must be provide*

##### Math 1432

- ACT Math score of 28. *Proof of score must be provided*
- COMPASS College Algebra score transferred from another institution of 60. *Proof of score must be provide*
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##### Physics 1201

- Math 1431-Pre-calculus I, or equivalent
- ACT Math score of 25. *Proof of score must be provided*
- COMPASS Algebra score transferred from another institution of 70.  
*Proof of score must be provided*

### Program Objectives

In pursuit of the Mission Statement, the Building Construction Program has set the following goals. In order to reach those goals, measurable objectives have been established to measure our results.

1. Provide a high quality of technical and applied, construction management education at the Associate's Degree level.

Objective: Survey employers and graduates to assure currency of the courses.

2. Provide maximum opportunity for graduates to continue their education beyond two years.

Objective: Provide counseling early in the curriculum to allow students that want to transfer for a baccalaureate degree to minimize the time required.

Objective: Review transfer agreements and articulations annually to insure appropriateness of course content and maintain efficient program alignments.

Objective: Identify additional baccalaureate programs and pursue transfer agreements with them.

3. Provide curriculum to allow construction employees in the community to further their education, and to update their skills.

Objective: Continually review courses to assure that the material is current and relevant to the construction management industry.

4. Maintain contact with industry and our graduates in order to verify progress toward the goals above.

Objective: Hold semi-annual advisory committee meetings to identify industry trends and anticipate educational needs.

Objective: Survey employers for satisfaction with graduates' skills and preparedness for entry-level positions in the industry.

Objective: Survey graduates for adequacy of their preparation for entry-level positions in the industry.

### **Placement Assistance**

The College of DuPage Career Services Office provides support for students' job placement while students and after graduation. Career Services assists students with the job and internship search process by equipping students with the appropriate tools and resources to secure current or future employment. Career Services engages students early in their time at College of DuPage to help them develop an employment plan and works with students to develop job search strategies and documents.

Electronic Resume Review

Career Services will also review your resume electronically. If you are interested in utilizing this service, please email your resume as a Microsoft Word or PDF document to [csc@cod.edu](mailto:csc@cod.edu). Please allow one week for review.

The program maintains a job board and posts job opportunities electronically on a regular basis.

### **Student Industry Interaction**

The student club, Association of Students in Construction Management (ASCM), typically is included in the field trips required of the Building Materials classes as listed below. However, annually the ASCM membership, officers and advisors are encouraged to schedule additional trips and/or other offerings as part of the clubs activities.

The Building Materials class (Arch 1111) includes several field trips to manufacturing and construction sites.

Annually scheduled field trips are:

- 1) Dukane Precast: one of their 3 plants, pending production
- 2) A. Finkl & Sons Steel Mill
- 3) Chicago Regional Council of Carpenters Apprenticeship & Training Facility

It should also be noted that all students are encouraged to participate in some event / tour offered on AISC's Steel Day.

### **Program Quality Assessment and Results of Assessment**

The goal of the program is found in its Mission Statement:

"To promote and improve construction education in our district by providing construction management training for entry-level positions in construction and providing efficient transfer options."

The goal of the academic quality plan is to assure that graduates of the program can perform tasks required of them by the industry.

The Goals (outcomes) of the construction management program support our Mission Statement

1. Provide a high quality of technical and applied, construction management education at the Associate's Degree level.
2. Provide maximum opportunity for graduates to continue their education beyond two years.
3. Provide curriculum to allow construction employees in the community to further their
4. Maintain contact with industry and our graduates in order to verify progress toward the goals above.

These goals are reviewed periodically by the faculty and on a regular basis by the Program Advisory Committee to assure that the Goals support the Mission Statement and that the Mission Statement accurately reflects the needs of the industry.

Surveys conducted include

1. The college surveys graduates every year. These surveys include the following information:
  - a. Job placement rates for each program.
  - b. Job satisfaction for graduates
  - c. Income levels of graduates
  - d. Transfer admission
  - e. Transfer placement
  - f. Satisfaction with the curriculum and program
2. The college surveys every student in the program on a five-year program review cycle. These surveys include the following information:
  - a. Student demographics
  - b. Student program and progress
  - c. Student advising experience
  - d. Student course selection patterns
  - e. Student goals
  - f. Student satisfaction with program and equipment
  - g. Student transfer plans and target institution
  - h. Student employment status
3. The program is developing surveys of employers regarding their satisfaction with students' skills and preparedness for the position they were filling which will be administered annually.
4. The institution surveys graduates regarding the adequacy of the education that they received at College of DuPage. The program is developing additional surveys which will be administered upon graduation and at 5 years and 10 years after the students have completed the program to determine the adequacy of their education as preparation for their careers.
5. The Construction Management faculty periodically surveys the industry, graduates, employers and other programs for industry trends and evolving needs.
6. The Advisory Committee meets semi-annually to review all aspects of the program.

### **Results of Assessments**

The most recent curriculum revisions have the result of input from the ACCE accreditation review and the Advisory Committee. New employer and graduate surveys will be administered annually beginning this year to collect additional data on the program.

1. Created the new course BIM Management – Revit (Arch 2413): This class was developed in response to industry needs, which were reported by the Advisory Committee. The committee was also instrumental in identifying course content and locating a qualified instructor.
2. Revised degree math and science requirements to align with accreditation standards and transfer requirements.
3. The new facility and the large lab space effectively support the program. The graduates' experiences in "hands-on" classes are a strength of the program.
4. The computer software applications available to the students provide professional preparation for our graduates based on the guidance of provided by the Advisory Committee.
5. The program has the following relationships with transfer institutions:
  - a. Transfer Articulation Purdue University-Calumet City Construction Science *updated 2014*
  - b. Transfer pattern Illinois State University *updated 2013*

### **Student Achievements**

The majority of construction management students at College of DuPage are working professionals who bring years of construction experience to the classroom.

### **Construction Management Student Tracking Plan**

In an effort to provide accurate identification and detailed tracking information on construction management students the faculty have begun collecting and maintaining a list of student's personal emails. The faculty members in the program are working with the college data management to develop a process, which will allow them to collect the following information:

1. Maintain a list of students whose intent it is to graduate with an Associate of Applied Science in Construction Management Technology from College of DuPage.
2. Maintain a list of Graduates each semester.
3. Determine how many new students declare the AAS degree as his/her intended major each semester.