

Building and Construction Trades

Associate in Applied Science in Occupational Development

Program Description:

The Occupational Developmental Degree in Building and Construction Trades is designed to meet two major needs:

- (1) To provide for cooperatively sponsored educational opportunities leading to the Associate in Applied Science degree for students in approved apprenticeship training programs;
- (2) To provide a mechanism for Mountwest Community & Technical College to deliver educational programs to individuals employed in the Building and Construction Trades field.

The United States Department of Labor, Bureau of Apprenticeships and Training (BAT) identifies eligible apprenticeships. Components of the program include the following: general education courses, classroom instruction in Building and Construction Trades, and on-the-job training.

Occupational Development students must meet admission and performance standards. Credits earned through either approved apprenticeship programs or through industry-based education and training programs will not be added to the students' collegiate transcripts until they have completed three program credit hours from Mountwest Community & Technical College and have obtained at least a 2.00 GPA.

The student who graduates with the Occupational Development Degree in Building and Construction Trades will possess:

- Supervisory skills.
- Computer software skills.
- Relevant essential math skills.
- Written and oral communication skills.

Career Outlook:

Good employment opportunities for construction managers are expected through 2012 because the number of job openings should be sufficient to accommodate the number of qualified managers seeking to enter the occupation.

Salary Forecast:

Earnings of salaried construction managers and self-employed independent construction contractors vary depending upon the size and nature of the construction project, its geographic location, and economic conditions. In addition to typical benefits, many salaried construction managers receive benefits such as bonuses and use of company motor vehicles.

Median annual earnings of construction managers in 2004 were \$69,870. The middle 50 percent earned between \$53,430 and \$92,350. The lowest 10 percent earned less than \$42,120, and the highest 10 percent earned more than \$126,330. Median annual earnings in the industries employing the largest numbers of construction managers in 2004 were:

Nonresidential building construction	\$71,700
Foundation, structure, and building exterior contractors	\$64,250
Building finishing contractors	\$72,560
Residential building construction	\$67,190
Other specialty trade contractors	\$68,110

According to a 2005 salary survey by the National Association of Colleges and Employers, candidates with a degree in construction science/management received job offers averaging \$42,923 a year.

Major Code - C010 • Concentration Code – C017

FIRST YEAR	
<p>Component I - General Education¹</p> <p>ENL 111 Written Communication².....3 COM 112 Oral Communication³.....3 IT 101 Fundamentals of Computers⁴ (EDGE).....3 General Education Elective3 Laboratory Science Course⁵.....3-4 Quantitative Skills Course⁵.....3 Social Science Course⁶3 TOTAL CREDITS.....21-22</p>	<p>COMPONENT II - CLASSROOM INSTRUCTION IN THE OCCUPATION⁷</p> <p>450-750 Classroom/Laboratory contact hours of Occupational Education converted to credit hours at the usual ration of 15:1 classroom or 30:1 laboratory.</p> <p>MAXIMUM TOTAL CREDITS40</p>
<p>COMPONENT III - ON-THE-JOB TRAINING IN OCCUPATION⁸</p> <p>Maximum of 2,400 contact hours of on-the-job training, converted to credit hours on a ratio of 200:1, can be counted toward the A.A.S. degree. A statement of the total number of contact hours experienced on the job by the student may be placed on the college record. This credit will be recorded immediately prior to graduation from the college.</p> <p>TOTAL CREDITS.....12</p>	
<p>HOURS REQUIRED FOR GRADUATION: 60</p>	

Employment Opportunities:

- Building and trades
- Apprenticeship instructor

Admission Requirements:

The college adheres to an open admissions policy which means applicants with a high school diploma or a GED are eligible for admission. Applicants with neither a high school diploma nor a GED may be admitted on a conditional basis.

Earn A Degree Graduate Early (Edge):

This program provides students the opportunity to receive credit for their high school EDGE courses.

Contact Information:

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1. Students must be employed in an occupation and complete an apprenticeship.
 2. Fulfills state Written Communication Skills requirement for Occupational Development Degree.
 3. Fulfills state Oral Communication Skills requirement for Occupational Development Degree.
 4. IT 101 fulfills state General Education Elective Requirement for Occupational Development Degree and General Education Core.
 5. Six total Quantitative Skills/Laboratory Science Experience credits are required for Occupational Development Degree and General Education Core. At least one college-level mathematics course must be selected from: MAT 115, MAT 145, or MAT 150. Students may complete the six credit requirement with a second college-level mathematics course or select a laboratory science course from the following: SCI 110, SCI 120, or SCI 201.
 6. To fulfill Social Science Course requirement for Occupational Development select from EC 102, SS 201, SS 210, or SS 215.
 7. Must provide documentation of completed Building and Construction Trades classroom instruction apprenticeship. A statement of the total number of classroom instruction hours may be placed on the college record, with credit being recorded immediately prior to graduation from college.
 8. A letter must be received from employer to verify this employment.