

Mine Inspection

Associate in Applied Science in Occupational Development

Program Description:

The Occupational Developmental Degree 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 in a variety of occupational fields to businesses and industries having an immediate need for such programs.

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

Occupational Development students must meet all 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 Associate in Applied Science Degree in Occupational Development will possess:

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

Career Outlook:

Job opportunities should be favorable for construction, extraction, and production workers in coal mining and nonmetallic mineral mining. Many miners are approaching retirement age and younger miners will be hired to replace the retirees. Job turnover rates also are high in nonmetallic mineral mining because most mines are small and operate only during warm months; therefore, these mines tend to hire workers as they are needed. Jobs in nonmetallic mineral mining attract many migrant workers and those looking for summer employment. Job opportunities for professional workers, such as scientists and engineers, will be best in operations that provide exploration and mining.

Salary Forecast:

Average wage and salary earnings in mining were significantly higher than the average for all industries. In 2004, production workers earned \$21.57 an hour in coal mining, \$22.91 an hour in metal mining, and \$17.74 an hour in nonmetallic minerals mining compared to the private industry average of \$15.67 an hour. Workers in underground mines spend time traveling from the mine entrance to their working areas, so that their paid workday is slightly longer than that of surface mine workers, 8 hours versus 7 1/4-hour shifts.

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.

Major Code - C010 • Concentration Code – C015

FIRST YEAR	
<p>COMPONENT I- General Education^{1,2}</p> <p>ENL 111 Written Communication³ 3</p> <p>COM 112 Oral Communication³ 3</p> <p>IT 101 Fundamentals of Computers⁴ (EDGE) 3</p> <p style="padding-left: 20px;">Social Science Courses⁵ 3</p> <p style="padding-left: 20px;">General Education Elective⁶ 3</p> <p style="padding-left: 20px;">Quantitative Skills Course⁶ 3</p> <p style="padding-left: 20px;">Laboratory Science Course⁷ 3-4</p> <p>TOTAL CREDITS 21-22</p>	<p>COMPONENT II – Classroom Instruction in THE OCCUPATION</p> <p>450 to 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>TOTAL CREDITS 30-40</p>
<p>COMPONENT III - On-the-job training in THE OCCUPATION</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 letter from the employer verifying the total number of contact hours experienced on the job by the student will 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:

- Mine safety inspector

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. Students must complete a minimum of 3 credit hours with Mountwest Community & Technical College to establish academic residency.
 3. Fulfills MOUNTWEST General Education and State Communication Skills requirements for Occupational Development Degree.
 4. IT 101 fulfills state General Education Elective Requirement for Occupational Development Degree and General Studies Core.
 5. To fulfill General Education Electives requirement for Occupational Development and General Education Core Degree, select from COM 115, EC 102, SS 201, SS 210, or SS 215.
 6. Six total Quantitative Skills/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 101, SCI 110, SCI 120, SCI 201 and SCI 257.
 7. To fulfill Social Science Course requirements for Occupational Developmental and General Education Core Degree, select from EC 102, SS 201, SS 210, or SS 215
 8. Must provide a certificate or letter of completed classroom instruction. 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.