

# Ohio Technical College - General Education Course Descriptions for the Associate of Applied Science Degree



## **SOC 101 – Principles of Sociology - 3 Credit Hours/30 Clock Hours**

This course will discuss fundamental characteristics of culture and society; analysis of social groups, social institutions, and social processes. In addition, the nature of social change and the handling of elementary social problems will be covered.

## **ECO 103 - Principles of Economics- 4 Credit Hours/40 Clock Hours**

The purpose of this course is to for students to learn economics by using real world financial and business examples. Students will learn about Microeconomic and Macroeconomic theory and how it applies to markets and the economy.

## **\*ENG 005 – Foundation English - (Credit by Exam)**

The objective of the program is to assure that the student has the tools used to successfully apply correct written skills in real-world situations. English fundamentals, grammar, sentence structure, punctuation, vocabulary, paragraph structure, topic sentence and development of a main idea are verified. Technical writing elements include principles of organizing, developing, and writing technical information through practical explanations, real-world examples common to scientific and technical disciplines. \*(If required through test results)

## **ENG 105 - Business Communications- 4 Credit Hours/40 Clock Hours**

Requires successful performance on placement test for ENG 005, English and Written Communication  
This course is designed to enable students to evaluate elements of effective and ineffective business communication, explore the impact of technology on business communications, and develop an awareness of the importance of intercultural communication in the business setting. Applied skills in the Use the English language are use to write effective business messages Create resumes, application letters, follow-up messages and more. Ethical issues related to communications are discussed as well as development effective visual aids for a business proposal.

## **\*MAT 006 - Mathematics - (Credit by Exam)**

The goal of this course is to verify a solid foundation in the basics of mathematics, including the topics of whole numbers, fractions, decimals, ratio and proportion, percent and measurement as well as introductions to geometry, statistics and probability, and algebra topics. This course gives students the confidence they need to be successful in mathematics and quantitative subjects. Emphasized are problem-solving skills, vocabulary comprehension, and real-world applications. \*(If required through test results)

## **MAT 106 – Business Mathematics - 4 Credit Hours/40 Clock Hours**

Requires successful performance on placement test for MAT 006, Mathematics.  
This course applies math fundamentals to business applications. Topics include a basic math review, business statistics, profit calculations, payroll, banking, interest calculations, insurance, taxes, and other business topics.

## **SCI 107 – Science in a Technical World - 3 Credit Hours/30 Clock Hours**

Prepares students for success in applying scientific principles by developing problem solving, terminology, and skills in applying the scientific method to diagnosis. Students explore a variety of topics relating to biology, chemistry, and physics as they apply to the environment and a sustainable future.

## **CS108 –Computer Applications- 4 Credit Hours/40 Clock Hours**

Introduction to computer science, stressing computer hardware, software, Internet and networks. Terminology and application of concepts with a focus on skills students can apply in the workplace, classroom and at home, for the purchase and improved use of computer technology.

**\*All students are “tested” in Math and English to adequately determine the appropriate courses for scheduling.**