



Concurrent Enrollment Program

The following is a list of courses offered through Concurrent Enrollment for the 2019-2020 school year. Please contact the Secondary Relations Coordinator with questions or to seek additional Concurrent Enrollment opportunities.

Secondary Relations Coordinator

507-389-7241

secondaryrelations@southcentral.edu

Elementary Statistics

MATH154 4.00 credits

<http://ecatalog.southcentral.edu/NA%20%203805Courses.php#MATH115>

Course Outline

This course introduces the essential mathematical elements of statistics, applying them to a broad range of areas including business, manufacturing, economics, and the physical, biological and social sciences. Topics include descriptive measures of data, measures of central tendency, variability, standard probability distributions, tests of hypotheses, confidence intervals, and estimation. To put the treatment on a strong foundation, concepts of probability are developed throughout, and shown to form the unifying theme behind modern statistics. (Prerequisites: Completion of MATH 0085 with a grade of C or higher (2.0), or an Accuplacer test score of 56 or above in Arithmetic AND a score of 76 or above in Elementary Algebra.)

Foundations of Computing

COMP1120 4.00 credits

<http://ecatalog.southcentral.edu/coursesByDept.php?dept=COMP&name=Computer%20Careers>

Course Outline

This course introduces the student to the world of information systems and technology. Students will explore the history of computing, career opportunities in information technology, computer concepts as they apply to a business environment, basic web page development, command-line interfaces, file management principles, computer numbering systems, and database principles. Students will also receive initial exposure to computer programming and algorithms through the use of problem analysis, pseudo-code and entry-level programming. (Prerequisites: None)

Health Care Core Foundations

HC 1525 4.00 credits

<http://ecatalog.southcentral.edu/coursesByDept.php?dept=HC&name=Health%20Core>

This variable credit course will focus on the requirements needed by healthcare professionals to effectively work in a variety of healthcare settings and explore workplace skills such as accountability and responsibility, workplace behavior, approaches to assist clients, and expectations of teams and

team members. This course provides a framework for healthcare workers to interact with diverse clients and staff, including belief systems, cultural practices, and respect and sensitivity to cultural, gender, and age issues. Identifying elements of communication and how those elements can develop into effective communication within the healthcare setting is a key focus, as well as learning when and how to utilize those skills in challenging situations. Health care ethics will be addressed and target ethical decision-making and personal and professional values. Legal issues in healthcare will round out the course, concentrating on healthcare laws and social media in healthcare. Healthcare safety and standards precautions will be incorporated, as well as personal wellness for the healthcare professional. This variable credit course was designed as a part of the Minnesota Health Care Core Curriculum. (Prerequisites: None)

Principles of Marketing

MKT 1810 3.00 credits

<http://ecatalog.southcentral.edu/AAS%203272.php>

Course Outline

This course introduces the student to the dynamic field of marketing. The course will examine the different strategies and techniques used by business today to market their products and services to the consumer. The major emphasis will revolve around the four "P's" of marketing; product, price, place and promotion. (Prerequisite: None)

Medical Terminology

HC 1000 3.00 credits

<http://ecatalog.southcentral.edu/coursesByDept.php?dept=HC&name=Health%20Core>

This course is an introduction to the language of medicine that is used in the health care profession. The student will learn to spell, pronounce, define, and interpret medical terminology related to body structure, disease, diagnosis, and treatment. (Prerequisites: None)

PC Hardware and Software Essentials

COMP1200 4.00 credits

<http://ecatalog.southcentral.edu/coursesByDept.php?dept=COMP&name=Computer%20Careers>

Course Outline

PC Hardware and Software, presents an in-depth exposure to computer hardware and operating systems. Students learn the functionality of hardware and software components as well as suggested best practices in maintenance, and safety issues. Through hands on activities and labs, students learn how to assemble and configure a computer, install operating systems and software, and troubleshoot hardware and software problems. In addition, an introduction to networking is included. This course helps students prepare for CompTIA's A+ certification. (Prerequisites: None)

Programming Fundamentals

COMP1130 4.00 credits

<http://ecatalog.southcentral.edu/coursesByDept.php?dept=COMP&name=Computer%20Careers>

Course Outline

Programming Fundamentals is designed to be a person's first exposure to the world of computer programming. This course covers how to design and implement a computer program, writing a program that will make different types of decisions, how to solve problems using computer programs that remember things, make decisions, and perform repetitive tasks. The course uses both Alice and JavaScript to help the student meet these objectives. Alice is a 3-D programming environment from

Carnegie Mellon University designed to teach programming concepts. It is an enjoyable and easy-to-user programming environment that assists the student in making 3-D, animated movies. JavaScript, is a popular language used for by web browsers to get input from the user. JavaScript teaches client-side scripting. This course is part of the Web Programming Certificate and the AAS Information Systems programming degree at South Central College. You will need to have a basic understanding of (X)HTML for the second half of this course which uses JavaScript. A minimum typing speed of 20-35 wpm is recommended. (Prerequisites: COMP 1120)

Web for Business

COMP1140 3.00 credits

<http://ecatalog.southcentral.edu/coursesByDept.php?dept=COMP&name=Computer%20Careers>
[Course Outline](#)

This course approaches developing web pages from a business point of view. It covers HTML5 and CSS3 markup languages used to create web pages. The course is intended for people wanting to learn how to create and publish web pages. No previous experience with HTML or programming is required.

(Prerequisites: None)