The Arts and Sciences Academy gives you the chance to take general education classes and earn college credit before you graduate from high school! You may take courses in English, Communication, Education, Mathematics, Social Sciences, and Humanities. Most courses in the Arts and Sciences Academy count toward an Associate of Arts (AA) and Associate of Science (AS) Degrees at SCC, as well as toward meeting several of general education requirements for Career and Technical programs. (The SCC AA Degree is designed as a two year transfer degree leading to 4 year colleges and universities.)

You may enroll in any or all of the courses listed in the Academies through your high school guidance counselor. You are not required to take all courses within the academy to get college credit for each course.

Career Opportunities:
The Arts & Sciences Academy will give you a “jump start!” on your path to any career by fulfilling general education requirements in many programs. For example, you may apply these credits to such programs such as Animation, Business Administration, Criminal Justice, Graphic Communication, and Nursing, to name a few. And… credits you earn may be applied to transfer programs at four-year institutions if your career path requires additional training. If you want to enter the work force right after high school, studies show that potential employers in areas like banking, customer service, retail sales, and service industries consider people who have completed college courses as better prepared than those with no college experience.

Who may participate?
Any high school student who meets the requirements. Please check with your high school guidance counselor.

What may I do after high school?
When you enroll in courses in the Arts and Sciences Academy, you will earn SCC college credit and have an SCC college transcript. If you enroll in the Associate of Arts (AA) or Associate of Science (AS) Degree Program at SCC, you may bypass the courses you have already taken, saving time and money. These courses may apply to other programs, as well. Check with SCC college enrollment personnel. Also check out the Associate of Arts (AA) and Programs of Study links on the SCC website:

http://www.scciowa.edu/academics/degs-progs-depts/index.aspx

May I take more?
If there are openings in appropriate classes on an SCC Campus, SCC Center, or on-line, there may be a possibility for further study. Check with your high school guidance counselor.

How do I register?
Meet with your high school guidance counselor to determine course options. Register on-line with SCC, as directed by your counselor. Your high school counselor will send the class roster to SCC.

Questions or for more information:
Michelle Randall
Director of High School Relations
319-208-5046: mrandall@scciowa.edu
West Burlington Campus
1500 West Agency Road
West Burlington, IA 52655
Toll-free:1-866-722-4692 x5046
## Course Descriptions

### English

**ENG-105 Composition I**
- **Credit:** 3
- A study of the principles of writing. Emphasis on rhetoric, mechanics, and development of expository patterns: narration, description, illustration, comparison/contrast, classification, process, and cause/effect.
- Required for AA and AS Degrees. Prerequisites: Mandatory ACCUPLACER or ACT test score and mandatory eWrite score (per SCC Writing Scores & Mandatory Course Placement Chart), or a C- or above in ENG-061, College Preparatory Writing II. No waivers.

**ENG-106 Composition II**
- **Credit:** 3
- A continuation of study of the principles of writing begun in ENG-105. Emphasis is placed on persuasive writing as well as literary analysis and the MLA research paper. Time will also be spent exploring the research sources available from the library. Required for AA and AS Degrees. Prerequisite: C- or above in ENG-105.

**ENG-111 Technical Writing**
- **Credit:** 3
- Studies the rhetorical techniques specifically oriented to industrial requirements. Applies expository patterns as incorporated within the report apparatus, including such specialized formats as process analysis, progress/lab reports, feasibility study, and the proposal. Also includes correspondence and application of basic library research skills. Course designed to satisfy specified career program requirements. Prerequisites: Mandatory COMPASS or ACT test score and mandatory eWrite score (per SCC Writing Scores & Mandatory Course Placement Chart), or a C- or above in ENG-061, College Preparatory Writing II. No waivers.

### Humanities

**HUM-287 Leadership Development Studies**
- **Credit:** 3
- This course is designed to provide emerging and existing leaders the opportunity to explore the concept of leadership and to develop and improve their leadership skills. The course integrates readings from the humanities, experiential exercises, films/videos and contemporary readings on leadership.

### Literature

**LIT-101 Introduction to Literature**
- **Credit:** 3
- Designed to promote an appreciation of excellence in literature through illustrative types of short fiction, poetry, and drama. Emphasis is placed on the reader’s interpretive skills in examining an author’s craft, intent, and format.

### Mathematics

**MAT-110 Math for Liberal Arts**
- **Credit:** 3
- Math for Liberal Arts is a survey course for students who have little background in mathematics. Topics include survey of sets, numbers, algebra, geometry, probability, and statistics. This course is not intended for Mathematics and Science majors. Prerequisite: MAT-062 with a grade of at least C- or equivalent or ALEKS score of 30 or higher or ACT Math score of 18-19 or math faculty approval.

**MAT-128 Precalculus**
- **Credit:** 4
- This course encompasses an in-depth review of mathematical concepts necessary in preparing students for the calculus. Problem solving is emphasized. Topics from algebra, trigonometry, and analytic geometry essential in the calculus are covered in this course. Topics include: properties of lines and quadratics, absolute value equations and inequalities, functions and their graphs, polynomial and rational functions, exponential and logarithmic functions, trigonometric functions, analytic trigonometry, vectors, conics in both the rectangular and polar coordinate systems, parametric equations, systems of equations and inequalities, matrices, three-dimensional coordinate geometry, partial fractions, sequences and mathematical induction. Prerequisite: MAT-127 or equivalent.

**MAT-156 Statistics**
- **Credit:** 3
- This course is an applied course in statistics, designed to introduce students to some of the concepts, symbols, procedures, and vocabulary used in the field of statistics. Topics covered in this course include: organizing and graphing data, descriptive statistics, probability, various distributions, the sampling distribution of the mean, estimating a population mean, confidence intervals, inferential statistics (hypothesis testing), comparing two population parameters, analysis of variance, correlation, simple linear and multiple regression, contingency tables, and nonparametric statistics (time permitting). Prerequisite: MAT-102 or ALEKS score of 46 (or higher) or ACT score of 22 or above or math faculty approval.

**MAT-210 Calculus I**
- **Credit:** 4
- This course includes the study of limits and continuity, derivatives and differentiation, differentials, maximum and minimum function values and techniques of graphing, applications, and an introduction to integration. Prerequisite: MAT-127 or MAT-128 with a grade of at least C- or ALEKS score of 76 (or higher) or ACT score of 29 or above or math faculty approval.

**MAT-216 Calculus II**
- **Credit:** 4
- The study of integration, techniques of integration, applications and accompanying mathematical structure. Prerequisite: MAT-210 or math faculty approval.

**MAT-702 Introduction to Math**
- **Credit:** 3
- This course is an applied course in mathematics and will prepare students who need to develop skills for MAT-704. It is designed as an introductory level algebra course recommended for students with one year of high school algebra. Emphasis is on the building of basic algebra skills and the application of these mathematical techniques. The course studies the relationship of geometry and algebra as they apply to various fields. This course will also cover whole numbers/decimals, integers, fractions/ percents, direct measurement, basic geometric concepts/relationships, linear equations, and right-triangle trigonometry. Prerequisite: MAT-052 or ALEKS score of 14 or higher or ACT Math score of 18-19 or math faculty approval.
Psychology

PSY-111 Introduction to Psychology
Credit: 3 A basic course in the understanding of behavior, designed to give the student a scientific background in the fundamental problems and techniques covered in the field of psychology.

PSY-121 Developmental Psychology
Credit: 3 A systematic study of life-span development. Individual differences in behavior as well as cultural norms are considered in relation to heredity and environment.

PSY-241 Abnormal Psychology
Credit: 3 A survey of the history of mental illness including a study of normal and abnormal behavior as related to various cultures. Personality development, individual adjustment, and description of the various clinical entities and their relevance to present day life will be covered. Character disorders and personality structures which cause maladjustment are reviewed. A review of the theories of personality is included. Prerequisite: PSY-111.

Sociology

SOC-110 Introduction to Sociology
Credit: 3 An analysis of social organization (or the social order). This course deals with the nature of sociology as a science, the original nature of man, the socialization of the individual, the development of groups and group behavior, the nature of culture and culture patterns, the organization of institutions, the nature of social order, the organization of human stratification and examination of major social processes. Special emphasis is placed upon the American cultural patterns.

Speech

SPC-112 Public Speaking
Credit: 3 This course examines both the theoretical and practical basis of speech communication, particularly public speaking. Emphasis is on speech preparation, organization, support, delivery, and audience analysis. Required for AA and AS degrees.

Religion

REL-101 Survey of World Religions
Credit: 3 A survey of the major religions of the eastern and western world. Each religion is placed in its historical context, and its major tenets are explored. This course includes a general understanding of the various religions studied, some specific insights into each religion's belief structures and discussion of the general function of religion in human experience.

Will these courses transfer to other colleges?

Check out this link: www.transferiniowa.org to see how courses may transfer to other colleges. It’s also recommended that you double check with the college to make sure how/if courses will transfer.

www.scciowa.edu
Southeastern Community College (SCC) is committed to providing equal access to all persons who seek post-secondary and related educational assistance, within our stated mission and statutory authority. We remain committed to helping all persons to the level of their ability to benefit, regardless of age, disability, ethnicity, gender, national origin, race, religious creed, marital status, or sexual orientation. We will accomplish this commitment through our offering of a broad spectrum of quality educational programs, activities, educational assistance, and related support services. We value diversity as a rich enhancement of student experiences here and we are thereby committed to policies that promote fairness and inclusion for all who attend SCC.