Computing in the Arts Major with Concentration in Digital Media Requirements
Catalog Year: 2016-17
Degree: Bachelor of Arts
Credit Hours: 55+

“PR” indicates a prerequisite. “CO” indicates a co-requisite. Courses within this major may also satisfy general education requirements.
Please consult http://registrar.cofc.edu/general-edu for more information.

Required Courses (3 hours)
Choose one of the following:
CITA 120  Animation and Virtual Worlds (cross-listed with CSCI 120) (3) PR: None
OR
CITA 140  Graphic Design and Digital Media (3) PR: None
OR
CITA 180  Computers, Music, and Art (cross-listed with CSCI 180) (3) PR: None

Required CITA Courses (9 hours)
CITA 280  Game Programming (cross-listed with CSCI 280) (3) PR: CSCI/CITA 120 or CSCI/CITA 140 or CSCI/CITA 180, and 'C-' or better in CSCI 220; or instructor permission
CITA 395  CITA Seminar (3) PR: CSCI/CITA 280, C- or better in CSCI 221, 9 credit hours in an art concentration
CITA 495  CITA Seminar (3) PR: CITA 395, C- or better in CSCI 230

Required CSCI Courses (16 hours)
CSCI 220  Computer Programming I (3) PR: CSCI 120 or CSCI 140 or CITA 180 or MATH 111 or higher or department permission; CO: CSCI 220L
CSCI 220L  Computer Programming Lab I (1) CO: CSCI 220
CSCI 221  Computer Programming II (3) PR: CSCI 220 with a C- or better, CSCI 220L with a C- or better; CO or PR: MATH 207
CSCI 230  Data Structures and Algorithms (3) PR: CSCI 221 with a C- or better
CSCI 380  User Interface Development (3) PR: CSCI 221 with a grade of C- or better
CSCI 392  Seminar on Computing and Society (3) PR: CSCI 221 with a grade of C- or better

CSCI Elective Requirement: Select 3 credit hours from the following:

CSCI 250  Introduction to Computer Organization and Assembly Language Programming (3) PR: CSCI 220 with a C- or better, CSCI 220L with a C or better; CO or PR: MATH 207

Any CSCI 300-level course or above

Math Requirement (6 hours)
MATH 105  Calculus for Business and Social Sciences (3) PR: MATH 101 or placement
OR
MATH 111 Pre-Calculus Mathematics (4) PR: Placement or C- or better in MATH 101
AND
MATH 207 Discrete Structures I (3) PR: MATH 105, MATH 111, or MATH 120

Digital Media Concentration (18 hours)
CSCI 115 Website Design (3) PR: None
ARTH 287 New Media in Contemporary Art (3) PR: None

Elective Requirement: Select 12 credit hours from the following:

Select two of the following:

COMM 214 Media in the Digital Age (4) + COMM 214D Media in the Digital Age Discussion (0) PR: None
COMM 215 Communication, Identity and Community (4) PR: None
COMM 280 Introduction to Communication Messages (3) PR: None. COMM 280 and COMM 281 is a year-long course.

COMM 281 Introduction to Communication Messages (3) PR: COMM 280. COMM 280 and COMM 281 is a year-long course. Students will be automatically enrolled in the second section of the course during the registration period. The course will be scheduled on the same day and times with the same professor for both courses. Students who do not receive a grade of C- or better in the first half of the course will be dropped from the continuing section after final grades are posted.

Select two of the following:

CSCI 215 Website Programming (3) PR: None
CSCI 315 Service-Side Web Programming (3) PR: CSCI 215, CSCI 221. Note: May only count once. May not fulfill dual requirements.
CSCI 480 Principles of Computer Graphics (3) PR: CSCI 230 with a C- or better, MATH 105 or MATH 120. Note: May only count once. May not fulfill dual requirements.