Computing in the Arts Major with Concentration in Theatre Requirements
Catalog Year: 2013-14
Degree: Bachelor of Arts
Credit Hours: 50+

“PR” indicates a pre-requisite. “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

Choose one of the following:

☐ CITA 120  Building Virtual Worlds (cross-listed with CSCI 120) (3) PR: None
OR
☐ CITA 180  Computers, Music, and Art (cross-listed with CSCI 180) (3) PR: None

Required CITA Courses

☐ CITA 210  Game Programming (cross-listed with CSCI 210) (3) PR: CSCI/CITA 120 or CSCI/CITA 180 or instructor permission
☐ CITA 295  Seminar (1) PR: CSCI/CITA 210, CSCI 221, 9 credit hours in an art concentration
☐ CITA 495  Capstone Seminar (3) PR: CITA 295

Required CSCI Courses

☐ CSCI 220  Computer Programming I (3) PR: CSCI 120 or CSCI 180 or CSCI 210 or MATH 111; CO: CSCI 220L
☐ CSCI 220L  Computer Programming I Lab (1) CO: CSCI 220
☐ CSCI 221  Computer Programming II (3) PR: CSCI 220, CSCI 220L; CO or PR: MATH 207

CSCI Elective Requirement: Select 9 credit hours from the following:

☐ CSCI 230  Data Structure and Algorithms (3) PR: CSCI 221; CO: MATH 207
☐ CSCI 250  Introduction to Computer Organization and Assembly Language Programming (3) PR: CSCI 220 and CSCI 220L; CO or PR: MATH 207
☐ CSCI 320  Programming Language Concepts (3) PR: CSCI 221, MATH 207
☐ CSCI 325  Functional and Logic Programming (3) PR: CSCI 221, MATH 207
☐ CSCI 350  Digital Logic and Computer Organization (3) PR: CSCI 250; PR or CO: MATH 307
☐ CSCI 360  Software Architecture and Design (3) PR: CSCI 230, MATH 207; CO: COMM 104
☐ CSCI 380  User Interface Development (3) PR: CSCI 221, MATH 207, or instructor permission
☐ CSCI 399  Tutorial (3, Repeatable up to 12) PR: Junior standing, tutor permission, department chair permission
☐ CSCI 470  Principles of Artificial Intelligence (3) PR: CSCI 230, MATH 307
☐ CSCI 480  Principles of Computer Graphics (3) PR: CSCI 230, MATH 220, MATH 307
☐ CSCI 490  Special Topics (3) PR: Instructor permission

Math Requirement
☐ 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

Select a concentration area from the following (Art, Music or Theatre):

Theatre Concentration

☐ THTR 276  Script Analysis (3) PR: None

☐ THTR 277  Acting I: Basic Approach (3) PR: None

☐ THTR 355  Playwriting I (3) PR or CO: THTR 276

Select one course from the following:

☐ __________

THTR 240  Costume I: Introductory Studies (3) PR: None

THTR 209  Stagecraft I (3) PR: None

Select one course from the following:

☐ __________

THTR 310  Theatre History and Literature to 1750 (3) PR: Junior or senior standing

THTR 311  Theatre History and Literature after 1750 (3) PR: Junior or senior standing

Select one course from the following:

☐ __________

THTR 207  Drafting and Rendering for Theatre (3) PR: THTR 209 or THTR 240

THTR 221  Creative Drama I (3) PR: None

THTR 340  Costuming II: Pattern Drafting and Advanced Sewing Techniques (3) PR: THTR 240

THTR 350  Selected Topics in Communication Production (3) PR: None

THTR 455  Playwriting II (3) PR: THTR 355