Computing in the Arts Major with Concentration in Theatre Requirements
Catalog Year: 2014-15
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 Structures 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*