Computing in the Arts Major with Concentration in Art Requirements
Catalog Year: 2015-16
Degree: Bachelor of Arts
Credit Hours: 52+

“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  Animation and 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 280  Game Programming (cross-listed with CSCI 280) (3) PR: CSCI/CITA 120 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

☐ CSCI 220  Computer Programming I (3) PR: CSCI 120 or CSCI 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; CO: MATH 207

CSCI Elective Requirement: Select 6 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

CSCI 315  Service-Side Web Programming (3) PR: CSCI 215, CSCI 221

CSCI 320  Programming Language Concepts (3) PR: CSCI 230 with a C- or better, MATH 207

CSCI 325  Functional and Logic Programming (3) PR: CSCI 221 with a C- or better, MATH 207

CSCI 350  Digital Logic and Computer Organization (3) PR: CSCI 250 with a C- or better; PR or CO: MATH 307

CSCI 360  Software Architecture and Design (3) PR: CSCI 230 with a C- or better; CO or PR: COMM 104

CSCI 380  User Interface Development (3) PR: CSCI 221 with a C- or better, MATH 307

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 with a C- or better

CSCI 480  Principles of Computer Graphics (3) PR: CSCI 230 with a C- or better, MATH 105 or MATH 120

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):

Art Concentration

- ARTS 119 Drawing I (3) PR: None
- ARTH 287 New Media in Contemporary Art (3) PR: None

Elective Requirement: Select 12 credit hours from the following:

- ARTH 101 History of Art: Prehistoric Through Medieval (3) PR: None
- ARTH 102 History of Art: Renaissance to Modern (3) PR: None
- ARTH 104 Themes in the History of Art (3) PR: None
- ARTH 293 Introduction to Film Art (3) PR: None
- ARTH 306 Studies in Modern, Contemporary, and Film Arts (3) PR: 6 credit hours in ARTH, or ARTH 299, or instructor permission
- ARTH 391 Contemporary Art (3) PR: 6 credit hours in ARTH, or ARTH 299, or instructor permission
- ARTH 392 The Camera and Visual Perception (3) PR: 6 credit hours in ARTH, or ARTH 299, or instructor permission
- ARTH 490 Independent Study in Art History (3) PR: Junior or senior standing, declared ARTH major, overall GPA of at least 3.00 and ARTH major GPA of at least 3.30
- ARTS 215 Photography I (3) PR: ARTS 119
- ARTS 216 Painting I (3) PR: ARTS 119
- ARTS 218 Printmaking I (3) PR: ARTS 119 or instructor permission
- ARTS 220 Sculpture I (3) PR: None
- ARTS 315 Photography II (3) PR: ARTS 215
- ARTS 319 Drawing II (3) PR: ARTS 119
- ARTS 322 Painting II (3) PR: ARTS 216
- ARTS 323 Printmaking II (3) PR: ARTS 218 or instructor permission
- ARTS 324 Sculpture II (3) PR: ARTS 119, ARTS 220, or instructor permission
- ARTS 326 Drawing III (3) PR: ARTS 319 or instructor permission
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Prerequisites</th>
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<tr>
<td>ARTS 327</td>
<td>Advanced Photographic Techniques (3) PR: ARTS 215, ARTS 315, or instructor permission</td>
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<td>ARTS 328</td>
<td>Painting III (3) PR: ARTS 322</td>
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<td>ARTS 330</td>
<td>Sculpture III (3) PR: ARTS 324 or instructor permission</td>
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<td>ARTS 331</td>
<td>Painting IV (3) PR: ARTS 328</td>
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<td>ARTS 332</td>
<td>Advanced Printmaking (3) PR: ARTS 323 or ARTS 329 or instructor permission</td>
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<td>ARTS 333</td>
<td>Sculpture IV (3) PR: ARTS 330 or instructor permission</td>
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<td>ARTS 334</td>
<td>Advanced Photography IV (3) PR: ARTS 215, ARTS 315, or instructor permission</td>
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<td>ARTS 335</td>
<td>Selected Topics in Advanced Studio Practice (3) PR: Vary according to topic</td>
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<td>ARTS 339</td>
<td>Drawing IV (3) PR: ARTS 326 or instructor permission</td>
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<td>ARTS 430</td>
<td>Independent Study in Studio Art (3) PR: Department chair approval</td>
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<td>ENGL 212</td>
<td>The Cinema: History and Criticism (3) PR: ENGL 110 or equivalent</td>
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