COMMUNICATION ARTS, BACHELOR OF FINE ARTS (B.F.A.) WITH A CONCENTRATION IN SCIENTIFIC ILLUSTRATION

The B.F.A. in Communication Arts with a concentration in scientific illustration is designed for students who seek to develop the artistic skills and visual communication strategies necessary to effectively present complex and detailed scientific information. The degree requirements combine art and design courses with science courses to develop a broad base of scientific understanding and refined artistic aptitude.

The communication arts courses for the concentration mirror those for the non-concentration B.F.A., with additional requirements focused on representational drawing of scientific observations. The approved science courses allow students to pursue a focused scientific specialty or a broad understanding of scientific concepts.

Students will need to plan their academic study efficiently in order to include the appropriate science courses into the academic requirements for the B.F.A. degree. Seeking advisement during the process is highly recommended.

A student who intends to establish a professional career in medical illustration should refer to the minor in scientific illustration (http://bulletin.vcu.edu/undergraduate/arts/communication-arts/scientific-illustration-minor/).

Student learning outcomes

• Students will demonstrate proficiency in observational drawing.
• Students will be able to analyze, synthesize and evaluate artwork from conceptualization to completion.
• Students will effectively apply the elements and principles of design to creative solutions.
• Students will demonstrate technical proficiency in a variety of digital and physical media.
• Students will engage with the historical and current contexts of communication arts.
• Students will demonstrate professional best practices and ethical behavior.

Special requirements

A cumulative GPA of 2.0 in the major is expected for continuance in the program.

Degree requirements for Communication Arts, Bachelor of Fine Arts (B.F.A.) with a concentration in scientific illustration

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COAR 201</td>
<td>Drawing Studies: The Figure Observed</td>
<td>3</td>
</tr>
<tr>
<td>COAR 202</td>
<td>Drawing Studies: The Figure in Context</td>
<td>3</td>
</tr>
<tr>
<td>COAR 203</td>
<td>Digital 3D Studio</td>
<td>3</td>
</tr>
<tr>
<td>COAR 300</td>
<td>Illustration: Drawing and Painting</td>
<td>3</td>
</tr>
<tr>
<td>COAR 320</td>
<td>Concept Drawing</td>
<td>3</td>
</tr>
<tr>
<td>COAR 321</td>
<td>Sequential Imaging</td>
<td>3</td>
</tr>
<tr>
<td>COAR 352</td>
<td>History of Visual Communications I</td>
<td>3</td>
</tr>
<tr>
<td>COAR 353</td>
<td>History of Visual Communications II</td>
<td>3</td>
</tr>
<tr>
<td>COAR 464</td>
<td>Senior Portfolio</td>
<td>3</td>
</tr>
<tr>
<td>CREA 350</td>
<td>Piloting the Enterprise</td>
<td>3</td>
</tr>
<tr>
<td>• Additional major requirements</td>
<td></td>
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<tr>
<td>COAR 332</td>
<td>Digital Drawing</td>
<td>3</td>
</tr>
<tr>
<td>COAR 341</td>
<td>Scientific Illustration</td>
<td>3</td>
</tr>
<tr>
<td>• Major electives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COAR upper-division electives</td>
<td>18</td>
<td></td>
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</tbody>
</table>

Ancillary requirements

Art Foundation Program

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTF 131</td>
<td>Drawing Studio</td>
<td>3</td>
</tr>
<tr>
<td>ARTF 132</td>
<td>Surface Research</td>
<td>3</td>
</tr>
<tr>
<td>ARTF 133</td>
<td>Space Research</td>
<td>3</td>
</tr>
<tr>
<td>ARTF 134</td>
<td>Time Studio</td>
<td>3</td>
</tr>
<tr>
<td>ARTF 139</td>
<td>Project Studio</td>
<td>2</td>
</tr>
<tr>
<td>or ARTF 138</td>
<td>Project Seminar</td>
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<tr>
<td>ARTH 103 &amp; ARTH 104</td>
<td>Survey of Art I and Survey of Art II</td>
<td>6</td>
</tr>
</tbody>
</table>

Total Hours

120

The minimum number of credit hours required for this degree is 120.

Approved science electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 103</td>
<td>Global Environmental Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 152</td>
<td>Introduction to Biological Sciences II</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 152</td>
<td>Introduction to Biological Science Laboratory II</td>
<td>1</td>
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<tr>
<td>BIOL 205</td>
<td>Basic Human Anatomy</td>
<td>4</td>
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<tr>
<td>BIOL 320</td>
<td>Biology of the Seed Plant</td>
<td>4</td>
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<tr>
<td>BIOL 322</td>
<td>Economic Botany</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 332</td>
<td>Environmental Pollution</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 333</td>
<td>Evolution of the Angiosperms</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 335</td>
<td>Global Change Biology</td>
<td>3</td>
</tr>
</tbody>
</table>
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<table>
<thead>
<tr>
<th>BIOL 341</th>
<th>Human Evolution</th>
<th>4</th>
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</thead>
<tbody>
<tr>
<td>ENVS 105</td>
<td>Physical Geology</td>
<td>3</td>
</tr>
<tr>
<td>ENVS 201</td>
<td>Earth System Science</td>
<td>3</td>
</tr>
<tr>
<td>ENVS 301</td>
<td>Introduction to Meteorology</td>
<td>3</td>
</tr>
<tr>
<td>ENVS 310</td>
<td>Introduction to Oceanography</td>
<td>3</td>
</tr>
<tr>
<td>PHIS 206</td>
<td>Human Physiology</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 101</td>
<td>Foundations of Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 107</td>
<td>Wonders of Technology</td>
<td>4</td>
</tr>
</tbody>
</table>

CHEM 101 General Chemistry I (satisfies general education BOK for natural sciences and/or AOI for scientific and logical reasoning) 3
CHEZ 101 General Chemistry Laboratory I 1
COAR 202 Drawing Studies: The Figure in Context 3
COAR 353 History of Visual Communications II 3
UNIV 200 Inquiry and the Craft of Argument (satisfies general education UNIV foundations) 3

Science electives (chosen from approved list) 3-4

Term Hours: 17

Junior year
Fall semester
COAR 300 Illustration: Drawing and Painting 3
COAR 332 Digital Drawing 3
COAR upper-division elective 3
General education course 3
Science elective (from approved list) 3-4

Term Hours: 16

Spring semester
COAR 320 Concept Drawing 3
COAR 341 Scientific Illustration 3
COAR upper-division elective 3
General education course 3
Science elective (from approved list) 3-4

Term Hours: 15

Senior year
Fall semester
COAR 321 Sequential Imaging 3
CREA 350 Piloting the Enterprise 3
COAR upper-division elective 6
Science elective (from approved list) 3-4

Term Hours: 15

Spring semester
COAR 464 Senior Portfolio 3
COAR upper-division elective 6
General education course 3

Term Hours: 12

Total Hours: 120

The minimum number of credit hours required for this degree is 120.