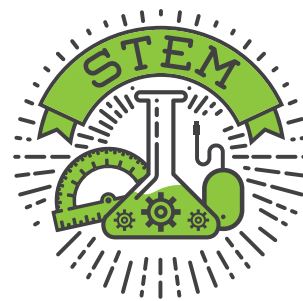


# STEM PATHWAY BRIEF

## LSU DIGITAL DESIGN AND EMERGENT MEDIA



### OVERVIEW

The [LSU Digital Design & Emergent Media Certification Pathway](#) is designed with a 21st century approach to media production – developing the skills and creativity for producing digital media from assets through final presentation. The pathway incorporates the STEM disciplines to address the constantly transforming field of digital media by enabling: digital storytelling – no matter the media; production skills training and certification in a variety of media types; programming experience specializing in web and digital media; and engagement in emergent media practice culminating in group based projects, exhibition/performance, and portfolio development.

College Ready	Career Ready
<ul style="list-style-type: none"><li>• Architecture</li><li>• Artificial Intelligence</li><li>• Communication Studies</li><li>• Computer Engineering</li><li>• Computer Science</li><li>• Digital Art</li><li>• Engineering</li><li>• Experimental Music</li><li>• Graphic Design</li><li>• Information Systems &amp; Decision Science</li><li>• Interior Design</li><li>• Landscape Design</li><li>• Management Information Systems</li><li>• Mass Communications</li><li>• Music Recording &amp; Engineering</li><li>• Software Engineering</li><li>• Web Design</li></ul>	<ul style="list-style-type: none"><li>• Animation Apprenticeship</li><li>• Animation Industry Production Assistant</li><li>• Art Department Assistant</li><li>• Computer and Information Systems Assistant</li><li>• Computer Support Specialists</li><li>• Computer User Support Specialists</li><li>• Creative Technologist</li><li>• Digital Fabrication Assistant</li><li>• Digital Media Generalist</li><li>• Film Industry<ul style="list-style-type: none"><li>• Gaffer</li><li>• Grip</li><li>• Best Boy</li><li>• Production Runner</li><li>• Production Assistant</li></ul></li><li>• Graphic Design Production Assistant</li><li>• IT/Computer Sales</li><li>• Junior Artist</li><li>• Junior Computer Programmer</li><li>• Junior Web Designer</li><li>• Live Sound Operator</li><li>• Online Community Manager</li><li>• Quality Assurance Tester</li><li>• Radio Production</li><li>• Recording Assistant</li><li>• Stagehand</li><li>• Storyboard Assistant</li><li>• VFX Production Assistant</li><li>• 3D Generalist</li></ul>

### CREDENTIALS INCLUDED

Adobe Photoshop, Adobe Premier, CIW IBA, CIW SDA, CIW NTA, CIW Web Foundations

### STEM DIPLOMA SEALS

#### GOLD SEAL

Students who successfully complete the four required courses and four courses from the Additional Course list will earn a Gold STEM Diploma Seal.

#### SILVER SEAL

Students who successfully complete the four required courses will earn a Silver STEM Diploma Seal.

# STEM PATHWAY

For specific course information, visit <http://lsupathways.org/>.

Required Courses (4)					
Course Title	Course Code	Carnegie Credits	CTE 6%	CDF 6%	5-Point Scale
Digital Story Telling (LSU Partnership) <b>A</b>	040241	1	✓	✓	
Programming for Digital Media (LSU Partnership)	040243	1	✓	✓	
Coding for the Web (LSU Partnership)	040244	1	✓	✓	
Intro to Computational Thinking for STEM (LSU Partnership)	061140	1	✓	✓	
Additional Courses (choose 4)					
Course Title	Course Code(s)	Carnegie Credits	CTE 6%	CDF 6%	5-Point Scale
Interactive Digital Media Capstone (LSU Partnership)	040245	1	✓	✓	
Sound Design (LSU Partnership) <b>A</b>	080020	1	✓	✓	
Digital Image and Motion Graphics (LSU Partnership) <b>A</b>	080021	1	✓	✓	
Data Manipulation and Analysis (LSU Partnership)	080532	1	✓	✓	
Programming for Engineers (LSU Partnership)	144300	1	✓	✓	
Statistical Reasoning* or AP Statistics <b>M</b>	Statistical Reasoning: 165031 AP Statistics: 160352	1			✓
AP Calculus <b>M</b>	AB 160327 BC 160328	1			✓
AP Computer Science Principles	061177	1	✓	✓	✓
AP Computer Science A <b>M</b>	061175	1	✓	✓	✓
Video Game Design (LSU Partnership)	080022	1	✓	✓	
Photography I <b>A</b>	312400	1	✓	✓	
Photography II <b>A</b>	312405	1	✓	✓	
AP Art 3D	030508	1			✓
Basic/Advanced Film (LSU Partnership)	080023	1	✓	✓	
Film and TV (LSU Partnership)	080024	1	✓	✓	

\*Course counts on a 4-point scale

**CORE COURSES:**



ART



MATH

For full Pathway information, visit the [JumpStart graduation pathway page](#).