Digital Design & Emergent Media

The Digital Design and Emergent Media Certification Pathway is designed with a 21st-century approach to media production. It centers on developing the skills and creativity for producing digital media from the initial assets through to the final presentation. The pathway incorporates the multiple 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 and Career Connections

Finding high-wage career opportunities directly out of high school can be challenging. It typically requires advanced capstone credentials accompanied by work experience and/or apprenticeships in the field of study.

High School to Career	Community/ technical College to Career	University to Career
Interior Designer **Junior Web Designer** **Quality Assurance Tester** **Stagehand**	**Animation Apprenticeship** **Digital Media Generalist** **Radio Production** **Web Designer**	**Architecture and Design** **Digital Arts** **Mass Communications** **Music Recording Engineer**

**This Louisiana STEM Pathway must be used for students entering grade 9 in the 2024-2025 school year and future cohorts. The "Archived Pathway" briefs must be followed for students that entered grade 9 prior to the 2024-2025 school year. Email STEM@la.gov with any questions.

Universal Documents

STEM Pathways   **CDF Eligible Courses**   **Jump Start Funding**   **Universal Course Codes**

Capstone Credentials

In order to graduate, Jump Start students must earn at least one credential from the options below.
*Please contact the individual providers to confirm if provider specific courses are structured to offer the credential.

INDUSTRY BASED CREDENTIALS: Depending on student course completion		
Adobe Certified Professional	Adobe Certified Professional in Web Design	CIW Web Development Professional
Adobe Certified Professional in Visual Design	CIW Database Design Specialist	CIW Web Design Professional
Adobe Certified Professional in Video Design	CIW Javascript Specialist	Fundamentals of Javascript, Functional Programming, and Web Development 1

STEM Renaissance Digital Design & Emergent Media Pathway Structure

To earn the **Silver STEM Diploma Seal** students <u>must</u> pass one course from each of the four following concentration areas: Introductory Course, Programming, Computer Coding Focus, and Digital Design and Emergent Media Specialty Focus. (These course options are listed on the following chart.)

To earn the **Gold STEM Diploma Seal** students <u>must</u> complete the requirements for the Silver STEM Diploma Seal, pass three Digital Design and Emergent Media Elective courses from the approved STEM Pathway listing, and pass an additional Math or Science course. (These course options are listed on the following chart.)

To complete the **TOPS Tech Diploma** students <u>must</u> complete the Gold STEM Diploma Seal requirements and one course from the approved Career Readiness Course list.

Universal Documents

STEM Pathways   **CDF Eligible Courses**   **Jump Start Funding**   **Universal Course Codes**

Digital Design and Emergent Media STEM Pathway Course Options

Concentration Area	Course Code	Course Title	Carnegie Credits
To earn the *Silver STEM Diploma Seal* students <u>must</u> pass one course from each of the four following concentration areas: Introductory Course, Programming, Computer Coding Focus, and Digital Design and Emergent Media Specialty Focus.			
Introductory Course (Select 1)	040241	Digital Story Telling (LSU Partnership)	1
Programming (Select 1)	080520	Advanced Javascript, Programming and Web Development **OR**	1
	061127	COMP TIA+ Programming with PL/SQL **OR**	1
	080500	Introduction to Programming **OR**	
	040243	Programming for Digital Media (LSU Partnership)	1
Computer Coding Focus (select 1)	061125	CIW Introduction to Javascript **OR**	1
	040244	Coding for the Web (LSU Partnership) **OR**	1
	080523	Fundamentals of HTML, CSS, and Javascript	1
Digital Design & Emergent Media Specialty Focus (Select 1)	030597	AP Art History **OR**	1
	030508	AP Studio Art 3-D Design **OR**	1
	080021	Digital Image and Motion Graphics (LSU Partnership) **OR**	1
	312414	Digital Photography **OR**	1
	080024	Film and TV (LSU Partnership) **OR**	1
	030810	Media Arts I **OR**	1
	080816	Motion Graphics **OR**	1
	110862	PLTW Civil Engineering and Architecture **OR**	1
	080022	Video Game Design (LSU Partnership)	1

Additional Course Options	Course Code	Course Title	Carnegie Credits
To earn the *Gold STEM Diploma Seal* students <u>must</u> complete the requirements for the Silver STEM Diploma Seal, pass three Digital Design and Emergent Media Elective courses from the approved STEM Pathway listing, and pass an additional Math or Science course.			
Digital Design and emergent Media Options (Select 3)	080520	Advanced Javascript, Programming, and Web Development **OR**	1
	030597	AP Art History **OR**	1
	030508	AP Studio 3-D Design **OR**	1
	061177	AP Computer Science A **OR**	1
	080023	Basic/ Advanced Film (LSU Partnership) **OR**	1
	080198	CDF Qualifying CTE Internship **OR**	1
	040244	Coding for the Web (LSU Partnership) **OR**	1
	040221	Cyber Literacy I (NICERC Partnership) **OR**	1
	040222	Cyber Literacy II (NICERQ Partnership) **OR**	1
	040218	Cybersociety (NICERQ Partnership) **OR**	1
	080532	Data Manipulation and Analysis (LSU Partnership) **OR**	1
	080021	Digital Image and Motion Graphics (LSU Partnership) **OR**	1
	312414	Digital Photography **OR**	1
	080024	Film and TV (LSU Partnership) **OR**	1
	040245	Interactive Digital Media Capstone *LSU Partnership) **OR**	1
	030810	Media Arts I **OR**	1
	080816	Motion Graphics **OR**	1
	110862	PLTW Civil Engineering and Architecture **OR**	1
	080020	Sound Design (LSU Partnership) **OR**	1
	080022	Video Game Design (LSU Partnership**) OR**	1
	040211	Web Design I	1

Math OR Science course students should select ONE course option.			
Math OR Science course* (select 1) ***continued on next page**	160347	Advanced Math- Functions and Statistics **OR**	1
	160346	Advanced Math- Pre-Calculus **OR**	1
	160501	Advanced Math-Pre-Calculus: DE-CMAT 1223 Trigonometry **OR**	1
	150307	Biology II: AP Biology **OR**	1
	160327	AP Calculus AB **OR**	1
	160328	AP Calculus BC **OR**	1
	150410	AP Chemistry **OR**	1
	150311	AP Environmental Science **OR**	1
	150794	AP Physics C: Electricity and Magnetism **OR**	1
	150795	AP Physics C: Mechanics **OR**	1
	150724	Physics I: AP Physics I- Algebra Based **OR**	1
	150725	Physics: AP Physics II- Calculus Based **OR**	1
	222004	AP Psychology **OR**	1
	160352	AP Statistics **OR**	1
	150321	Biology: DE CBIO 1013 General Biology I **OR**	1
	150322	Biology I: DE CBIO 1033 General Biology I (Science Majors) **OR**	1
	150302	Biology II **OR**	1
	150324	Biology II: DE CBIO 1033 General Biology I (Science Majors) **OR**	1
	150326	Biology II: DE CBIO 1043 General Biology II (Science Majors) **OR**	1
	149995	Biology II: DE CBIO 2103 Microbiology **OR**	1
	160506	Calculus DE CMAT 2113-5 Calculus I **OR**	1
	160507	Calculus DE CMAT 2123-5 Calculus II **OR**	1
	150414	Chemistry I: DE CCEM 1103 Chemistry I **OR**	1
	150322	Chemistry I: DE CCEM 1123 General Chemistry I (Science Majors) **OR**	1
	150402	Chemistry II **OR**	1

	Math OR Science course options continued.		
150420	Chemistry II: DE CCEM 1123 General Chemistry II (Science Majors) **OR**	1
150422	Chemistry II: DE CCEM 1133 General Chemistry II (Science Majors) **OR**	1
150914	Environmental Science DE- CEVS 1103 **OR**	1
225011	Introduction to Psychology CPSY 2013 **OR**	1
150726	Physics I: DE CPHY 2113 Physics I (Algebra/Trig Based) **OR**	1
150728	Physics I: DE CPHY 2113 Physics I (Calculus Based) **OR**	1
150701	Physics II **OR**	1
160348	Pre-Calculus **OR**	1
160349	Probability and Statistics **OR**	1
160356	Probability and Statistics: DE CMAT 1303 **OR**	1
222001	Psychology	1

Universal Documents

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