



Digital Design & Emergent Media

For incoming freshmen 2024-2025

Overview

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	Animation Apprenticeship	Architecture and Design
Junior Web Designer	Digital Media Generalist	Digital Arts
Quality Assurance Tester	Radio Production	Mass Communications
Stagehand	Web Designer	Music Recording Engineer

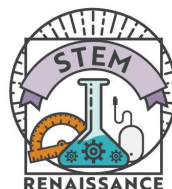
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Capstone Credentials

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.

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 must 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 must 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 must complete the Gold STEM Diploma Seal requirements and one course from the approved Career Readiness Course list.

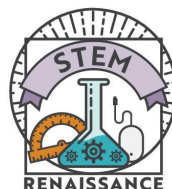
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[CDF Eligible Courses](#)

[Jump Start Funding](#)

[Universal Course Codes](#)





Concentration Area	Course Name	Course Code	Credit
<p>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.</p>			
Introductory Course	Digital Story Telling (LSU Partnership)	040241	1
Programming (Select 1)	Advanced Javascript, Programming and Web Development OR	080520	1
	COMP TIA+ Programming with PL/SQL OR	061127	1
	Introduction to Programming OR	080500	
	Programming for Digital Media (LSU Partnership)	040243	1
Computer Coding Focus (Select 1)	CIW Introduction to Javascript OR	061125	1
	Coding for the Web (LSU Partnership) OR	040244	1
	Fundamentals of HTML, CSS, and Javascript	080523	1
Digital Design & Emergent Media Specialty Focus* (Select 1) *Options continue on the next page.	AP Art History OR	030597	1
	AP Studio Art 3-D Design OR	030508	1
	Digital Image and Motion Graphics (LSU Partnership) OR	080021	1
	Digital Photography OR	312414	1
	Film and TV (LSU Partnership) OR	080024	1
	Media Arts I OR	030810	1

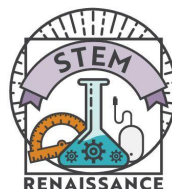
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[STEM Pathways](#)

[CDF Eligible Courses](#)

[Jump Start Funding](#)

[Universal Course Codes](#)





Concentration Area	Course Name	Course Code	Credit
Digital Design & Emergent Media Specialty Focus Options Continued			
Digital Design & Emergent Media Specialty Focus (Select 1)	Motion Graphics OR	080816	1
	PLTW Civil Engineering and Architecture OR	110862	1
	Video Game Design (LSU Partnership)	080022	1

Concentration Area	Course Name	Course Code	Credit
<p>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.</p>			
Digital Design and Emergent Media Electives* (Select 3) *Options continue on the next page.	Advanced Javascript, Programming and Web Development OR	080520	1
	AP Art History OR	030597	1
	AP Studio 3-D Design OR	030508	1
	AP Computer Science A OR	061175	1
	AP Computer Science Principles OR	061177	1
	Basic/ Advanced Film (LSU Partnership) OR	080023	1
	CDF Qualifying CTE Internship I OR	080198	1
	Coding for the Web (LSU Partnership) OR	040244	1

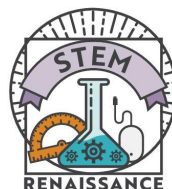
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[STEM Pathways](#)

[CDF Eligible Courses](#)

[Jump Start Funding](#)

[Universal Course Codes](#)





Concentration Area	Course Name	Course Code	Credit
Digital Design and Emergent Media Electives Options Continued			
Digital Design and Emergent Media Electives (Select 3)	Cyber Literacy I (NICERC Partnership) OR	040221	1
	Cyber Literacy II (NICERC Partnership) OR	040222	1
	Cybersociety (NICERC Partnership) OR	040218	1
	Data Manipulation and Analysis (LSU Partnership) OR	080532	1
	Digital Image and Motion Graphics (LSU Partnership) OR	080021	1
	Digital Photography OR	312414	1
	Film and TV (LSU Partnership) OR	080024	1
	Interactive Digital Media Capstone (LSU Partnership) OR	040245	1
	Media Arts I OR	030810	1
	Motion Graphics OR	080816	1
	PLTW Civil Engineering and Architecture OR	110862	1
	Sound Design (LSU Partnership) OR	080020	1
	Video Game Design (LSU Partnership) OR	080022	1
Web Design I	040211	1	

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[CDF Eligible Courses](#)

[Jump Start Funding](#)

[Universal Course Codes](#)





Concentration Area	Course Name	Course Code	Credit
Math OR Science Course List Options Continued			
Math OR Science Course* (Select 1) *Options continue on the next page.	Advanced Math- Functions and Statistics OR	160347	1
	Advanced Math- Pre-Calculus OR	160346	1
	Advanced Math-Pre-Calculus: DE-CMAT 1223 Trigonometry OR	160501	1
	Biology II: AP Biology OR	150307	1
	AP Calculus AB OR	160327	1
	AP Calculus BC OR	160328	1
	AP Chemistry OR	150410	1
	AP Environmental Science OR	150311	1
	AP Physics C: Electricity and Magnetism OR	150794	1
	AP Physics C: Mechanics OR	150795	1
	Physics I: AP Physics I- Algebra Based OR	150724	1
	Physics: AP Physics II- Calculus Based OR	150725	1
	AP Psychology OR	222004	1
	AP Statistics OR	160352	1
Astronomy OR	140200	1	

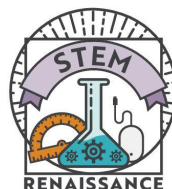
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[STEM Pathways](#)

[CDF Eligible Courses](#)

[Jump Start Funding](#)

[Universal Course Codes](#)





Concentration Area	Course Name	Course Code	Credit
Math OR Science Course List Options Continued			
Math OR Science Course* (Select 1) *Options continue on the next page.	Biology: DE CBIO 1013 General Biology I OR	150321	1
	Biology I: DE CBIO 1033 General Biology I (Science Majors) OR	150322	1
	Biology II OR	150302	1
	Biology II: DE CBIO 1033 General Biology I (Science Majors) OR	150324	1
	Biology II: DE CBIO 1043 General Biology II (Science Majors) OR	150326	1
	Biology II: DE CBIO 2103 Microbiology OR	149995	1
	Calculus DE CMAT 2113-5 Calculus I OR	160506	1
	Calculus DE CMAT 2123-5 Calculus II OR	160507	1
	Chemistry I: DE CCEM 1103 Chemistry I OR	150414	1
	Chemistry I: DE CCEM 1123 General Chemistry I (Science Majors) OR	150322	1
	Chemistry II OR	150402	1
	Chemistry II: DE CCEM 1123 General Chemistry II (Science Majors) OR	150420	1
	Chemistry II: DE CCEM 1133 General Chemistry II (Science Majors) OR	150422	1

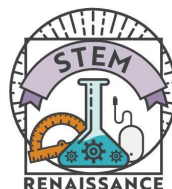
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[STEM Pathways](#)

[CDF Eligible Courses](#)

[Jump Start Funding](#)

[Universal Course Codes](#)





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Math OR Science Course List Options Continued			
Math OR Science Course* (Select 1) *Options continue on the next page.	Earth Science OR	150901	1
	Earth Science: DE - CGEO 1103 Physical Geology OR	150909	1
	Economics OR	220201	1
	Economics: AP Macroeconomics OR	220603	1
	Economics: AP Microeconomics OR	220605	1
	Economics: DE - CECN 2213 Macroeconomics OR	220608	1
	Economics: DE - CECN 2223 Microeconomics OR	220609	1
	Economics: DE - ECON 2113 Economic Principles OR	220202	1
	Environmental Science DE- CEVS 1103 OR	150914	1
	Introduction to Psychology CPSY 2013 OR	225011	1
	Physics I: DE CPHY 2113 Physics I (Algebra/Trig Based) OR	150726	1
	Physics I: DE CPHY 2113 Physics I (Calculus Based) OR	150728	1
	Physics II OR	150701	1
	Pre-Calculus OR	160348	1
	Probability and Statistics OR	160349	1

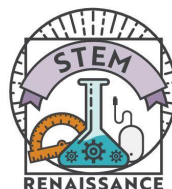
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[STEM Pathways](#)

[CDF Eligible Courses](#)

[Jump Start Funding](#)

[Universal Course Codes](#)





Concentration Area	Course Name	Course Code	Credit
Math OR Science Course List Options Continued			
Math OR Science Course* (Select 1)	Probability and Statistics: DE CMAT 1303 OR	160356	1
	Psychology OR	222001	1
	Psychology: DE CPSY 2013- Introduction to Psychology OR	225011	1
	Statistical Reasoning	165031	1

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[STEM Pathways](#)

[CDF Eligible Courses](#)

[Jump Start Funding](#)

[Universal Course Codes](#)

