Suggested STEM Course List

Code	Title	Math Credit	Sci Credit	Notes
				Many of these classes will be available at some schools with concurrent credit.
	Academic Courses (5 digit codes)			
	Health			
52	Health			Health is taught under a health and PE certification not science
8051	Health			Health is taught under a health and PE certification not science
	Mathematics			
2046	Math - SpEd	Y		In pre 2019 Assignment Credential Manual
2052	Algebra I	Y		
2056	Algebra II	Y		
2062	Int. Math I	Y		
2063	Int. Math II	Y		
2064	Int. Math III	Y		
2072	Geometry	Y		
2074	Principles of Algebra and Geometry	Y		In pre 2019 Assignment Credential Manual
2102	Discrete Math	Y		
2103	Trigonometry	Y		
2104	Math Analysis	Y		In pre 2019 Assignment Credential Manual
2106	Algebra/Trigonometry	Y		In pre 2019 Assignment Credential Manual
2110	Pre-Calculus	Y		
2121	Calculus	Y		
2124	AP Calculus AB	Y		
2125	AP Calculus BC	Y		
2131	IB Mathematical Studies	Y		
2132	IB Mathematics	Y		

2134	IB Further Mathematics - HL	Y		
2151	Applied Mathematics	Y		
2153	Technical Math	Y		In pre 2019 Assignment Credential Manual
2154	Business Math	Y		In pre 2019 Assignment Credential Manual
2157	Consumer Math/Personal Finance	Y		In pre 2019 Assignment Credential Manual
2201	Probability and Statistics	Y		
2203	AP Statistics	Y		
2204	AP Dual Credit Computer Science - Mathematics	Y		
2205	AP Dual Credit Engineering - Mathematics	Y		
12104	Accounting	Y		In pre 2019 Assignment Credential Manual
	Science			
3001	Earth Science		Y	In pre 2019 Assignment Credential Manual
3002	Geology		Y	
3003	Environmental Science		Y	In pre 2019 Assignment Credential Manual
3004	Astronomy		Y	In pre 2019 Assignment Credential Manual
3008	Earth and Space		Y	
3051	Biology		Y	
3052	Biology - Advanced Studies		Y	In pre 2019 Assignment Credential Manual
3053	Anatomy and Physiology		Y	In pre 2019 Assignment Credential Manual
3056	AP Biology		Y	
3057	IB Biology		Y	
3058	Botany		Y	In pre 2019 Assignment Credential Manual
3061	Zoology		Y	In pre 2019 Assignment Credential Manual
3101	Chemistry		Y	
3102	Chemistry - Advanced Studies		Y	In pre 2019 Assignment Credential Manual
3106	AP Chemistry		Y	
3107	IB Chemistry		Y	
3151	Physics		Y	
3152	Physics - Advanced Topics		Y	In pre 2019 Assignment Credential Manual
3165	AP Physics I		Y	

3166	AP Physics II		Y	
3157	IB Physics		Y	
3159	Physical Sci.		Y	
3161	Conceptual Physics		Y	In pre 2019 Assignment Credential Manual
3201	Integrated Science		Y	In pre 2019 Assignment Credential Manual
3206	IB Design Technology		Y	
3207	AP Environmental Science		Y	
3208	AP Dual Credit Computer Science - Science	Y	Y	Sr. Math Credit
3209	AP Dual Credit Engineering - Science	Y	Y	Sr. Math Credit
3996	Science - SpEd		Y	In pre 2019 Assignment Credential Manual
	Social Sciences			
4201	Economics			
4203	AP Microeconomics			
4204	AP Macroeconomics			
4205	AP Economics			
4206	IB Economics			
4251	Anthropology			
4253	IB Social and Cultural Anthropology			
4254	Psychology			
4256	AP Psychology			
4257	IB Psychology			
4258	Sociology			
	Computer Science			
10001	Introduction to Computer Technology			
10003	Computer and Information Technology			In pre 2019 Assignment Credential Manual
10005	Business Computer Applications			In pre 2019 Assignment Credential Manual
10007	IB Information Technology			In pre 2019 Assignment Credential Manual
10046	Computer Literacy - SpEd			In pre 2019 Assignment Credential Manual
10049	Computer Information Technology			

Code	Course			Notes
10052	Computer Programming			In pre 2019 Assignment Credential Manual
10054	Database Applications			In pre 2019 Assignment Credential Manual
10057	AP Computer Science A	Y	Y	Sr. Math Credit (depending on the teacher certification?)
10102	Network Systems			In pre 2019 Assignment Credential Manual
10103	Area Network Design and Protocols			In pre 2019 Assignment Credential Manual
10109	Essentials of Network Operating Systems			In pre 2019 Assignment Credential Manual
10201	Web Page Design			In pre 2019 Assignment Credential Manual
10202	Computer Graphics			In pre 2019 Assignment Credential Manual
11103	Broadcasting Technology			
11153	Digital Media Design and Production			In pre 2019 Assignment Credential Manual
11155	Graphic Technology			In pre 2019 Assignment Credential Manual
11998	Communication A/V Tech Work Experience			In pre 2019 Assignment Credential Manual
21005	Engineering			
	CTE Courses (6 digit codes)			
	Computer Science			
100010	Computer Technology I			
100011	Computer Technology II			
100050	Business Computer Applications I			
100051	Business Computer Applications II			
100052	Business Computer Applications III			
100130	Introduction to Computer Science (ICS)			In pre 2019 Assignment Credential Manual; Also 101540
100140	Computer Science A (CSA)			In pre 2019 Assignment Credential Manual; Also 101542
100150	Computer Science Principles (CSP)			In pre 2019 Assignment Credential Manual; Also 101541
100190	Computer Science I			In pre 2019 Assignment Credential Manual; Also 101530
100191	Computer Science II			In pre 2019 Assignment Credential Manual; Also 101531
100192	Computer Science III			In pre 2019 Assignment Credential Manual; Also 101532
100470	Computer Science Advanced Studies			Also 101533
100520	Computer Science - Database Design & Programming			Also 101570
101031	Computer Support Essentials			In pre 2019 Assignment Credential Manual

Code	Course			Notes
101520	Computer Programming & Software Development I			
101521	Computer Programming & Software Development II			
102560	Computer Design & Networking			
121042	Computerized Accounting			
211070	Introduction to Computer Aided Drafting/Design			In pre 2019 Assignment Credential Manual
	Engineering by Design Pathway			Pre-Engineering Technology
210030	Fundamentals of Engineering Technology			
210051	Technological Design			
210062	ITEEA Engineering Design			
210090	Robotics Engineering			
210480	Work-Based Learning - Pre-Engineering Technology			
210520	Advanced Design Applications			
	Engineering - Project Lead the Way			Pre-Engineering Technology
210060	Introduction to Engineering Design			
210050	Principles of Engineering			
210130	Aerospace Engineering			
210140	Biotechnical Engineering			
210064	Civil Engineering and Architecture			Also 210120
210100	Computer Integrated Manufacturing			
210061	Digital Electronics			
210064	Engineering Design and Development			
210480	Work-Based Learning - Pre-Engineering Technology			
	Digital Media Technology			
110520	Photography I			
110521	Photography II			
110522	Photography III			
111030	Broadcast/Video Technologies I			

111031	Broadcast/Video Technologies II			
111032	Broadcast/Video Technologies III			
111480	Work-Based Learning - Digital Media Technology - Journalism			
111533	Media Technologies Fundamentals			
111981	Work-Based Learning - Digital Media Technology - Broadcasting			
111982	Work-Based Learning - Digital Media Technology - Commercial Photography			
	Drafting			
211021	Drafting I			
211022	Drafting II			
211023	Drafting III			
211480	Work-Based Learning - Drafting and Design			
	Manufacturing Pathways			
130025	Automated Manufacturing Level I			
130026	Automated Manufacturing Level II			
130027	Automated Manufacturing Level III			
130980	Work-Based Learning - Automated Manufacturing			
132030	Precision Machining Level I			
132031	Precision Machining Level II			
132032	Precision Machining Level III			
130982	Work-Based Learning - Precision Manufacturing			
	Electronics Technology			
171060	Introduction to Electronics Technology			
171061	Electronics Applications			
171062	Basic Electronics Technology			
171063	Intermediate Electronics Technology			
171064	Advanced Electronics Technology			

171480	Work-Based Learning - Electronics Technology			
	Health Professions			
140010	Fundamentals of Health Professions			
141540	Medical Terminology			
140990	Mental Health Assistant			
141551	Anatomy & Physiology - Health Professions			
140510	Nursing Assistant			
140982	Work-Based Learning: Nursing Assistant			
140540	Fundamentals of Dental Assisting			
140980	Work-Based Learning: Dental Assisting			
140551	Emergency Medical Responder			
140550	Emergency Medical Technician - Basic			
140981	Work-Based Learning: Emergency Medical Technician			
141520	Pharmacy Technician			
141981	Work-Based Learning: Pharmacy Technician			
140620	Sports Med/Athletic Training			
140662	Rehabilitation Services			
140983	Work-Based Learning: Rehabilitation Services			
141514	Medical Assisting			
141515	Advanced Medical Assisting			
141980	Work-Based Learning: Medical Assisting			
	Applied Accounting			
100050	Business Computer Applications I			
120010	Business Essentials			
121013	Personal Business Finance			
121040	Accounting I			
121041	Accounting II			
121042	Computerized Accounting			
121110	Forensic Accounting & Fraud Investigation			

121480	Work-Based Learning - Applied Accounting			
	Business Digital Communications			
100050	Business Computer Applications I			
102010	Web Design I - Introduction to XHTML & XML			
102011	Web Design II - Website Authoring Tools			
102014	Business Digital Communications			
102030	Introduction to Interactive Media			
102480	Work-Based Learning - Business Digital Communications			
110550	Interactive Media - Video I			
110551	Interactive Media - Video II			
111040	Publishing I			
111041	Publishing II			
111530	Interactive Media - Graphics I			
111534	Interactive Media - Graphics II			
120090	Business Communications			
	Computer Support			
100030	Fundamentals of Information Systems Technology			
100480	Work-Based Learning - Computer Support			
102530	Desktop Support I			
102531	Desktop Support II			
102540	Computer Support Essentials			
	Network Support			
100030	Fundamentals of Information Systems Technology			
101010	Networking Support I			
101030	Networking Support II			
101481	Work-Based Learning - Network Support			
102540	Computer Support Essentials			
102560	Computer Design & Networking			

	Web Design and Development			
100030	Fundamentals of Information Systems Technology			
102010	Web Design I - Introduction to XHTML & XML			
102011	Web Design II - Website Authoring Tools			
102012	Web Design & Development I			
102013	Web Design & Development II			
102015	Web Design & Development III			
102481	Work-Based Learning - Web Design & Development			
	Programming and Software Development			
100030	Fundamentals of Information Systems Technology			
101522	Programming & Software Development I			
101523	Programming & Software Development II			
101524	Programming & Software Development III			
101980	Work-Based Learning - Programming & Software Development			
	Engineering and Technology			
100470	Computer Science Advanced Studies		Also 101533	
110010	Communication Systems I			
110020	Communication Systems II			
110552	Video Editing Technology			
111540	Graphic Communications I			
111541	Graphic Communications II			
111542	Graphic Communications III			
111535	Digital Imaging Technology			
130020	Manufacturing Systems I			
130021	Manufacturing Systems II			
170020	Construction Systems I			
170021	Construction Systems II			

170070	Introduction to Cabinetry			
170074	Advanced Cabinetry			
171060	Introduction to Electronics Technology			
171061	Electronics Applications			
201010	Power, Energy, and Transportation Systems			
201011	Power, Energy, and Transportation Systems II			
210030	Fundamentals of Engineering Technology			
210051	Technological Design			
210090	Robotics Engineering			
210091	Robotics Applications			
210092	Introduction to Robotics			
210093	Robotics & Automation			
210520	Advanced Design Applications			
211020	Introduction to Drafting/Design Technology			
211025	3D Solid Modeling			
211030	Introduction to Architectural Design			
211063	Introduction to Mechanical Drafting/Design			
	Agriculture - Animal Science			Depending on teacher certification
181010	Introduction to Livestock Industry		Y	The CTE classes can only count as science classes if the teacher has the appropriate certification and greater than 50% of the standards related to the science standards fit into a specific science course.
181011	Animal Science		Y	
181013	Applied Livestock Management		Y	
181017	Science of Animal Reproduction		Y	
181018	Standards of Agricultural Animal Science		Y	
181020	Small Animal Care		Y	
181040	Equine Science		Y	
181041	Advanced Equine Science		Y	
181050	Veterinary Science		Y	

181070	Science of Animal Nutrition		Y	
181480	Work-Based Learning - Animal Science		Y	
183060	Aquaculture Science		Y	
	Plant and Soil			Depending on the teacher certification
180510	Introduction to Agricultural Plant Industry		Y	The CTE classes can only count as science classes if the teacher has the appropriate certification and greater than 50% of the standards related to the science standards fit into a specific science course.
180511	Science of Plant Growth & Development		Y	
180512	Applied Crop Management		Y	
180513	Plant and Soil Science		Y	
180514	Standards of Agricultural Plant Science		Y	
180515	Horticulture Plant Science		Y	
180981	Work-Based Learning - Plant and Soil		Y	
185041	Environmental Science		Y	
	Ecology and Natural Resource Management			Depending on the teacher certification
180010	Introduction to Agriculture Education		Y	The CTE classes can only count as science classes if the teacher has the appropriate certification and greater than 50% of the standards related to the science standards fit into a specific science course.
180015	Introduction to Natural Resources and Ecosystem Services		Y	
180020	Introduction to Agricultural Industry		Y	
185021	Forestry Science		Y	
185040	Natural Resource Science		Y	
185041	Environmental Science		Y	
185050	Introduction to Environmental Science Technology		Y	
185051	Environmental Sciences Technology Applications		Y	
185052	Advanced Environmental Sciences Technology Applications		Y	

185053	Forestry and Wildlife Management		Y	
185054	Fish and Wildlife Science		Y	
185056	Advanced Forestry Science		Y	
185057	Range Science		Y	
185482	Work-Based Learning - Ecology and Natural Resource Management		Y	