


Brevard Public Schools Career & Technical Education (CTE) Program of Study

Option 1

Career Cluster: Arts, Audio/Video Technology and Communications	Major area of Interest: Aligned with Program of Study of Choice
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Career Cluster Pathway: Aligned with Program of Study of Choice	CTE Program: Fine Arts and Multimedia Entertainment
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	16 REQUIRED CORE CREDITS				10 ADDITIONAL CREDITS		
	ENGLISH 4 credits	MATH 4 credits	SCIENCE 4 credits, 2 w/ lab	SOCIAL STUDIES 4 credits	1/2 credit Career Research & Decision Making 1 HOPE (Health Opportunities through Physical Education) 1 Performing Fine Arts (*Signifies CTE course that meet graduation requirements) 7.5 Electives, including CTE sequential Program of Study and recommended electives		

Approved Dual Enrollment (DE) courses for qualified students may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements.

HIGH SCHOOL	9	English Honors 1	Geometry Honors or Algebra 2 Honors	Biology 1 Honors	World History Honors or Advanced Placement World History	Career Research & Decision Making (.5cdt)/Elective (Modes of Learning Arts and Music .5cdt)	Computing for College and Careers	Elective or World Language
	10	English Honors 2	Algebra 2 Honors or Pre-Calc	Chemistry 1 Honors	American History Honors or Advanced Placement American Government	HOPE	Digital Design 1 or Web Design 1 or Drafting 1 and/or Fine Arts Pathway	Elective or World Language
	11	English Honors 3 or AP English Language & Composition	PreCalc or Analysis of Functions	Physics 1 Honors	American Government Honors/Economics Honors or DE American Government POS 2041/ DE Macroeconomics ECO 2013	Elective (Any Performing Fine Art)	Digital Design 1 or Web Design 1 or Drafting 1 and/or Fine Arts Pathway	Refer to Individualized CTE Program of Study
	12	English Honors 4, AP English Literature & Composition or DE Communications 1 ENC1101 / DE Technical Writing ENC 2210	AP Calculus, AP Statistics or DE College Algebra MAC 1105/Statistics STA 2023	Any AP or DE Science	Psychology/Sociology, AP Human Geography, AP Economics or DE Sociology SYG 2000 / DE Psychology PSY 2012	Refer to Individualized CTE Program of Study	Digital Design 1 or Web Design 1 or Drafting 1 and/or Fine Arts Pathway	Refer to Individualized CTE Program of Study

POSTSECONDARY Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified CTE program, the following postsecondary options are available. The official college or university catalog must be used to determine course requirements in the major.

[Information regarding high school to college and career transition can be accessed from FACTS.org](#)

BREVARD COMMUNITY COLLEGE		UNIVERSITY PROGRAM(S)
*Denotes certificates or degrees that may be available at other colleges but not at BCC.		Bachelors Degree (four-year)
Refer to Individualized CTE Program of Study	See Individualized CTE Program of Study	Refer to Individualized CTE Program of Study
	Associate in Arts (AA) degrees are offered at all Florida Community Colleges and allow students to move on to complete a four-year degree.	

CAREER		
SAMPLE CAREER SPECIALTIES		
Refer to Individualized CTE Program of Study	Refer to Individualized CTE Program of Study	Refer to Individualized CTE Program of Study

***Industry Certifications (Students):**
Secondary: NOCTI Pre-engineering/Engineering Technology, Certified SolidWorks Associate
Postsecondary: Manufacturing Skills Standards Certification (MSSC)

Cell: C5

Comment: Four (4) credits in English, with a major concentration in composition, reading for information, and literature.

Cell: D5

Comment: Four (4) credits in mathematics, one of which must be Algebra1, a series equivalent to Algebra 1, or a high-level mathematics course. School districts are encouraged to set specific goals to increase enrollments in, and successful completion of, geometry and Algebra 2.

Cell: E5

Comment: Four (4) credits in science to include 3 sequential courses in either Biology, Chemistry, and Physics or Integrated 1, 2 and 3 plus one (1) science additional credit.

Cell: F5

Comment: Four (4) credits in social studies as follows: one (1) credit in American history; one (1) credit in world history; one-half credit in economics; one-half credit in American Government; and one (1) social studies elective credit.

Cell: G12

Comment: BCC/ Dual Enrollment SPC2600 Speech is a recommended option for qualified students and equals .5 HS credit and 3 required college credits for the AA or AAS programs. ARH 1051 will satisfy both the .5 HS credit for Fine Arts and 3 college credits for Humanities in the AA or AAS programs.

Cell: C13

Comment: Honors English or AP English are suggested but not required.

BCC: Dual Enrollment ENC 1101 (English Communications 1) (1 HS credit or 3 college credits) is a suggested option for qualified students who are seeking an AS, AA, or BS/BA degree.

Cell: D13


Comment: BCC: Dual Enrollment MAC 1105, College Algebra and STA 2023 Statistics are suggested but not required for qualified high school students who are AA or BA/BS degree seeking. MAT 1033, Intermediate College Algebra, is suggested but not required for qualified high school students who are seeking an AS degree.

Cell: F13

Comment: BCC: Dual Enrollment: Sociology SYG 2000 and General Psychology PSY 2012 are suggested for qualified students who are seeking an AA or BS/BA degree.

Brevard Public Schools Career & Technical Education (CTE) Program of Study

Option 2

Career Cluster: Arts, Audio/Video Technology and Communications					Major area of Interest: Aligned with Program of Study of Choice			
Career Cluster Pathway: Aligned with Program of Study of Choice					CTE Program: Fine Arts and Multimedia Entertainment			
	16 REQUIRED CORE CREDITS				10 ADDITIONAL CREDITS			
	ENGLISH 4 credits	MATH 4 credits	SCIENCE 4 credits, 2 w/ lab	SOCIAL 4 credits	1/2 credit Career Research & Decision Making 1 HOPE (Health Opportunities through Physical Education) 1 Performing Fine Arts (*Signifies CTE course that meet graduation requirements) 7.5 Electives, Including CTE sequential Program of Study and recommended electives			
Approved Dual Enrollment (DE) courses for qualified students may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements.								
HIGH SCHOOL	9	English Honors 1	Algebra 1 or Geometry	Biology 1 Honors	World History Honors	Career Research & Decision Making (.5cdt)/Elective (Modes of Learning Arts and Music .5cdt)	Computing for College and Careers	Elective or World Language
	10	English Honors 2	Geometry or Algebra 2	Chemistry 1 Honors	American History Honors	HOPE	Digital Design 1 or Web Design 1 or Drafting 1 and/or Fine Arts Pathway	Elective or World Language
	11	AP English Language & Comp or English Honors 3	Algebra 2 or Analysis of Functions	Physics 1 Honors	American Government Honors/Economics Honors	Elective (Any Performing Fine Art)	Digital Design 1 or Web Design 1 or Drafting 1 and/or Fine Arts Pathway	Refer to Individualized CTE Program of Study
	12	AP English Lit & Comp or English Honors 4	Analysis of Functions, Math for College and Career Readiness, or AP Statistics	Anatomy and Physiology Honors or Marine Science Honors	Psychology/Sociology or AP Human Geography	Refer to Individualized CTE Program of Study	Digital Design 1 or Web Design 1 or Drafting 1 and/or Fine Arts Pathway	Refer to Individualized CTE Program of Study
POSTSECONDARY	Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified CTE program, the following postsecondary options are available. The official college or university catalog must be used to determine course requirements in the major.							
	Information regarding high school to college and career transition can be accessed from FACTS.org							
	BREVARD COMMUNITY COLLEGE							
	*Denotes certificates or degrees that may be available at other colleges but not at BCC.				UNIVERSITY PROGRAM(S) Bachelors Degree (four-year)			
	Refer to Individualized CTE Program of Study			See Individualized CTE Program of Study			Refer to Individualized CTE Program of Study	
Associate in Arts (AA) degrees are offered at all Florida Community Colleges and allow students to move on to complete a four-year degree.								
CAREER	SAMPLE CAREER SPECIALTIES							
	Refer to Individualized CTE Program of Study			Refer to Individualized CTE Program of Study			Refer to Individualized CTE Program of Study	
*Industry Certifications (Students): Secondary: See Individualized Program of Study Postsecondary: See Individualized Program of Study								

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Comment: Four (4) credits in social studies as follows: one (1) credit in American history; one (1) credit in world history; one-half credit in economics; one-half credit in American Government; and one (1) social studies elective credit.

Cell: G12

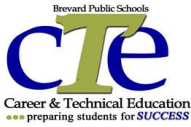
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Brevard Public Schools Career & Technical Education (CTE) Program of Study

Option 3

Career Cluster: Arts, Audio/Video Technology and Communications	Major area of Interest: Aligned with Program of Study of Choice
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Career Cluster Pathway: Aligned with Program of Study of Choice	CTE Program: Fine Arts and Multimedia Entertainment
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	16 REQUIRED CORE CREDITS				10 ADDITIONAL CREDITS		
	ENGLISH 4 credits	MATH 4 credits	SCIENCE 4 credits, 2 w/ lab	SOCIAL STUDIES 4 credits	1/2 credit Career Research & Decision Making 1 HOPE (Health Opportunities through Physical Education) 1 Performing Fine Arts (*Signifies CTE course that meet graduation requirements) 7.5 Electives, Including CTE sequential Program of Study and recommended electives		

Approved Dual Enrollment (DE) courses for qualified students may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements.

HIGH SCHOOL	9	English 1 Honors	Algebra 1	Biology 1	World History Honors	Career Research & Decision Making (.5cdt)/Elective (Modes of Learning Arts and Music .5cdt)	Computing for College and Careers	Elective (Intensive Reading)
	10	English 2 Honors	Geometry 1	Chemistry 1	American History Honors	HOPE	Digital Design 1 or Web Design 1 or Drafting 1 and/or Fine Arts Pathway	Elective (Intensive Reading)
	11	English 3 Honors	Algebra 2	Physics 1	American Government/ Economics Honors	Elective (Any Performing Fine Art)	Digital Design 1 or Web Design 1 or Drafting 1 and/or Fine Arts Pathway	Refer to Individualized CTE Program of Study
	12	English 4 Honors	Advanced Algebra with Financial Applications or Analysis Functions, or ADV. FIN. APPs	Anatomy and Physiology or Marine Science	Psychology/Sociology Honors	Refer to Individualized CTE Program of Study	Digital Design 1 or Web Design 1 or Drafting 1 and/or Fine Arts Pathway	Refer to Individualized CTE Program of Study

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POSTSECONDARY	<u>BREVARD COMMUNITY COLLEGE</u>		UNIVERSITY PROGRAM(S)
	*Denotes certificates or degrees that may be available at other colleges but not at BCC.		Bachelors Degree (four-year)
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CAREER	SAMPLE CAREER SPECIALTIES		
	Refer to Individualized CTE Program of Study	Refer to Individualized CTE Program of Study	Refer to Individualized CTE Program of Study

***Industry Certifications (Students):**
Secondary: See Individualized Program of Study
Postsecondary: See Individualized Program of Study

Cell: C5

Comment: Four (4) credits in English, with a major concentration in composition, reading for information, and literature.

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