



In addition to earning college credit while still in high school, Concurrent Enrollment (CE) is an opportunity to explore what you may study in college—also known as a “college major”— and connect college majors to future careers. How do you select CE classes that maximize your exploration?

- 1. Discover your vocational personality.** Your “vocational personality” may make different careers more attractive and rewarding to you. For example, if you have an Artistic personality, a career in graphic design will reward your creativity. If you have a Social personality, a career in Nursing will reward your compassion and caring. Discover your vocational personality by taking the Interest Profiler under Assessments on UtahFutures.org.
- 2. Uncover the things you like to work with.** All occupations involve some work with data, ideas, people, and things. Different personality types are attracted to occupations that focus on different combinations of these areas. When you register to take the ACT, answer all the interest questions. If you do, your ACT results will include information on your interest in working with data, ideas, people, or things.
- 3. Explore college subjects within an Exploratory Pathway.** In college, you will pick a major, the subject that most interests you or prepares you for a desired career. Majors can be anything from art to zoology, from business to engineering. The major plus general education requirements in core subjects such as math, English, science, and humanities, give you a well-rounded education in addition to specialization in a particular subject. You may not know yet what you want to major in, but you can use your vocational personality to pick an Exploratory Major Pathway. Pathways group related majors together so you can explore your options. Each pathway includes survey classes that provide an introduction or a “survey” to a major. Most survey classes also count toward general education requirements. They are often indicated by the number 1010, like Art 1010 or Engineering 1010. Use survey classes to explore subjects that interest you.
- 4. Select a college math class that fits your college and career path.** Most certificate and all degree programs require students to complete a Quantitative Literacy (QL) class. You are encouraged to complete QL senior year of high school. Different QL classes provide the math foundation for different pathways.

MATH 1030 – Intro to Quantitative Reasoning

An appropriate math class for the general studies or liberal arts student majoring in humanities or other programs not related to math and science. The class covers a broad scope of mathematical topics as they apply to real-world problems. Topics include reasoning and number sense, using percents and estimation, math for finance matters such as loans and investments, probability and statistics, and modeling. *MATH 1030 may be the last Math class you take in college.*

MATH 1040 – Intro to Statistics

Recommended particularly for students in programs desiring statistical literacy, including but not limited to Social Science, Behavioral Sciences, and Nursing (college may require 1040 or 1050). This class includes descriptive and inferential statistical methods. Topics include sampling design, descriptive statistics, linear regression and correlation, probability, sampling distributions, and hypothesis testing and confidence intervals. *MATH 1040 may be the last Math class you take in college.*

MATH 1050 – College Algebra

Designed for students interested in Mathematics, Science, Engineering, Technology, Business, and Education. An in-depth exploration of algebra topics designed to ultimately prepare students for Calculus or further education classes. Topics include functions, including polynomial, rational, exponential, and logarithmic; systems of equations; matrices and determinants; partial fraction decomposition; conics; and sequences and series. *MATH 1050 is the first Math class you will likely take in college.*

Each Exploratory Major Pathway lists recommendations for the QL that will provide Math knowledge for most of the majors in that pathway. Ask a campus advisor if you are unsure about the best QL choice for you.

Exploratory Pathway	Recommended CE Survey Classes	GenEd	Institutions Offering CE Class							
CONVENTIONAL "Organizers"	BA/BSAD/BUSN/MGMT 1010 / BUS 1050 (3 credits) Foundtns of Business/Intro to Bus/Bus Principles	SS	USU	WSU	SUU	1		UVU	SLCC	
	BUS/BUSN/FIN various numbers (3 credits)	SS	1		SUU	Snow	1	UVU	SLCC	
	Recommended QL: MATH 1050	Personal Finance ECON 1010 (ECN 1500 at USU) (3 credits) Intro to Economics		USU		SUU	Snow		UVU	SLCC
ENTERPRISING "Persuaders"	COMM/CMST 1020 (3 credits) Public Speaking	H	USU			Snow		UVU	SLCC	
	COMM/CMST 2110 (3 credits) Interpersonal Communication	H	USU	WSU		Snow	2	UVU		
	Recommended QL: MATH 1040	ENTR 1002/DMT 1930/MGMT 2600 or 1250/CTEL 1010 (3 credits) Leadership Principles / Entrepreneurship MKTG 2550/1030; PS 1303 (3 credits) Marketing Essentials/ntro to Marketing/Sales Channels			WSU	Snow	DSU	UVU	SLCC	
SOCIAL "Helpers"	CHF/FCHD/FCS/FHS/HFST 1500 or PSY 1100 (3 credits) Human Development	SS	USU	WSU		Snow	DSU	UVU	SLCC	
	CJ 1010 (3 credits) Intro to Criminal Justice	SS	USU	WSU	SUU	Snow		UVU	SLCC	
	EDU/EDUC/TEAL 1010/EDUC 2000 (3 credits) Intro to Education/Exploring Education		USU	WSU	SUU		DSU		SLCC	
	Recommended QL: MATH 1040	NUTR/NFS/HLTH 1020 (3 credits) Intro to Nutrition	LS		WSU	SUU		DSU	1 1	
	POLS 1100 (3 credits) American Government	AI	USU	WSU	SUU	Snow	DSU	UVU	SLCC	
	PSY 1010 (3 credits) Intro to Psychology	SS	USU	WSU	SUU	Snow	DSU	UVU	SLCC	
ARTISTIC "Creators"	ART 1010 (3 credits) Intro to Visual Arts	FA	USU	WSU	SUU	Snow	DSU	UVU	SLCC	
	ENGL 2200 (3 credits) Intro to Literature/Understanding Literature	H	USU		SUU	Snow	DSU	UVU		
	MUSC 1010 (3 credits) Intro to Music	FA	USU	WSU	SUU	Snow	DSU	UVU	SLCC	
	Recommended QL: MATH 1030	THEA 1013 (3 credits) Intro to Theater/Exploring Theater	FA	USU	WSU	SUU	Snow	DSU	UVU	SLCC
	HU/HUM/HUMA 1010/1100/USU 1320 (3 credits) Intro to the Humanities	H	USU		SUU		DSU	UVU	SLCC	
INVESTIGATIVE "Thinkers"	BIOL 1010 (3 credits) (1015 Lab 1 credit) General Biology	LS			SUU	Snow	DSU	UVU	SLCC	
	CHEM 1010 (3 credits) (1015 Lab 1 credit) Intro to Chemistry	PS	USU		SUU	Snow	DSU	UVU	SLCC	
	Recommended QL: MATH 1050	CHEM 1110 (3-5 credits) Elementary Chemistry	PS		WSU	SUU	Snow	DSU	1	
	CS/CSIS 1400 (3 credits) Fundamentals of Computer Programming		USU	WSU	SUU		DSU	UVU	SLCC	
	<i>Lab-based classes are underlined.</i>	ENGR 1000/1010 (3 credits) Intro to Engineering/Engineering in the 21 st Century		USU	WSU	SUU			UVU	
REALISTIC "Doers" **	PHYS 1010 (3 credits) (1015 Lab 1 credit) Elementary Physics	PS	<u>USU</u>	WSU	<u>SUU</u>	Snow	<u>DSU</u>	UVU	SLCC	
	AUT/AUTO/AUSV 1010/1000 (3 credits) Intro to Automotive Service			WSU		Snow			SLCC	
	Recommended QL: See counselor**	EDDT/CCET/MANF 1040/1060 (3 credits) Intro to CAD Design		USU	WSU	SUU	Snow		UVU	SLCC
	Various classes (3 credits) Computer Network Fundamentals/Intro to InfoTech			WSU	SUU	Snow		UVU		

TABLE NOTES: 1 This class is not a general education class at this institution. Students planning to attend that institution may choose to take the other class in the category. 2 This class is a Social Science GenEd class at DSU.

*General Education Legend: AI American Institutions, FA Fine Arts, H Humanities, LS Life Science, PS Physical Science, SS Social Science

**Numerous CTE programs fall into the Realistic Pathway. Each institution offers different CTE programs from Automotive, Aviation, Construction, Cosmetology, Drafting to Surveying, Telecommunications, and Transportation. Ask your high school advisor about the CTE programs available to you. Some CTE majors require MATH 1010 as the Computational requirement while others benefit from 1030 and 1040. If your high school counselor is unsure of the right Math class for a Realistic pathway, contact a college advisor (see next page).

Additional Questions to Ask an Advisor

When meeting with a campus academic advisor, remember to ask:

1. How will the CE class(es) I am interested in help me meet graduation requirements?

2. Explain how credits I earn from one college might transfer to other colleges.
3. Explain also how the CE credits I earn:
 - a. Create a permanent college transcript; and
 - b. Impact financial aid options in college.

Academic Advisors at Utah's Public Colleges and Universities

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