

Career Education Pathways



Based on the 2019/2020 General Catalog

Welcome to East Los Angeles College

Dear students, faculty, staff, and community on behalf of the Career Pathways Department it is with great pleasure and excitement to share this Career Pathways guide with you. This guide is intended to provide a clear road map of college courses, certificates, and degrees that lead to employment and transfer opportunities.

Our goal is to enhance the students educational experience by providing early college access through dual enrollment and the opportunity to become career ready through a variety of career exploration, activities & events. Our team is committed to serving the high school students and those who have yet to complete their high school diploma.

“Start at ELAC” “Go Anywhere”!

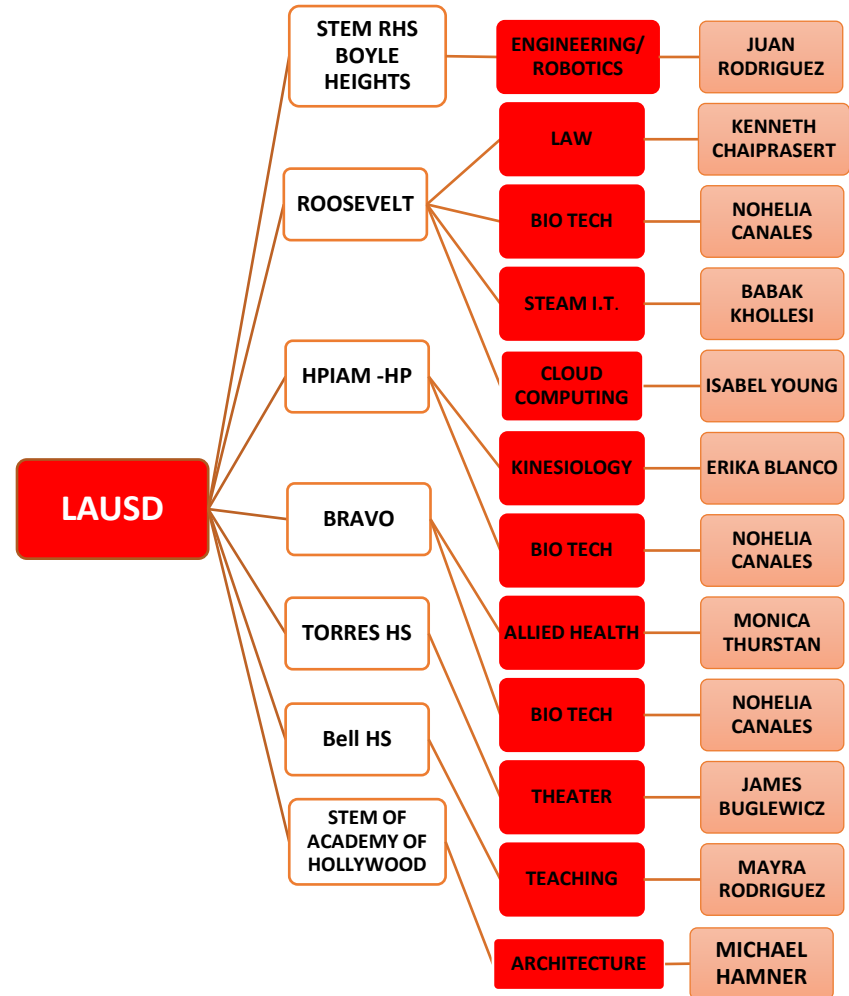
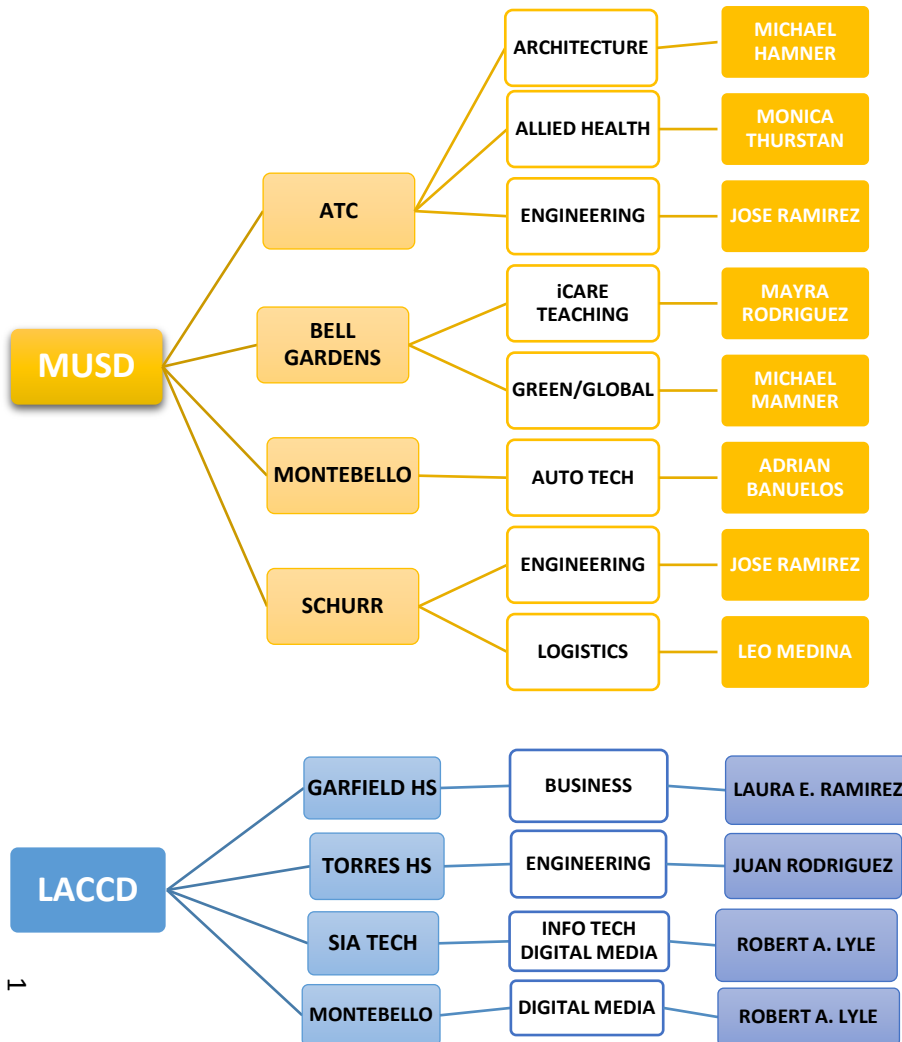
Go Huskies!



Number of High Schools: 15

Number of Pathways: 10

CCPT PATHWAY





Career Education Plan Allied Health Pathway



SKILLS CERTIFICATE

Available for high school and college students.

Health Services Career Foundational	Course Number	Course Name	Units	Semester Completed	Final Grade
	HLTHOCC 62	Skill Set for the Health Care Professional	2		
	HLTHOCC 63	Basic Medical Terminology, Pathophysiology and Pharmacology for the Healthcare Professional	2		
	HLTHOCC 64	Cultural and Legal Topics for Health Care Professionals	1		
	HLTHOCC 65	Fundamental for the Health Care Professional	2.5		
Total Units:			7.5		

CERTIFICATES OF ACHIEVEMENT

Gerontology / Health	Course Number	Course Name	Units	Semester Completed	Final Grade
	HLTHOCC 62	Skill Set for the HealthCare Professional	2		
	HLTHOCC 63	Basic Medical Terminology Pathophysiology and Pharmacology for the Healthcare Professional	2		
	HLTHOCC 64	Cultural and Legal Topics for Health Care Professionals	1		
	HLTHOCC 65	Fundamentals for the Healthcare Professional	2.5		
	FAM & CS 6	Challenges of Aging	3		
	FAM & CS 21	Nutrition	3		
	FAM & CS 91	Life Management	3		
Total Units:			16.5		

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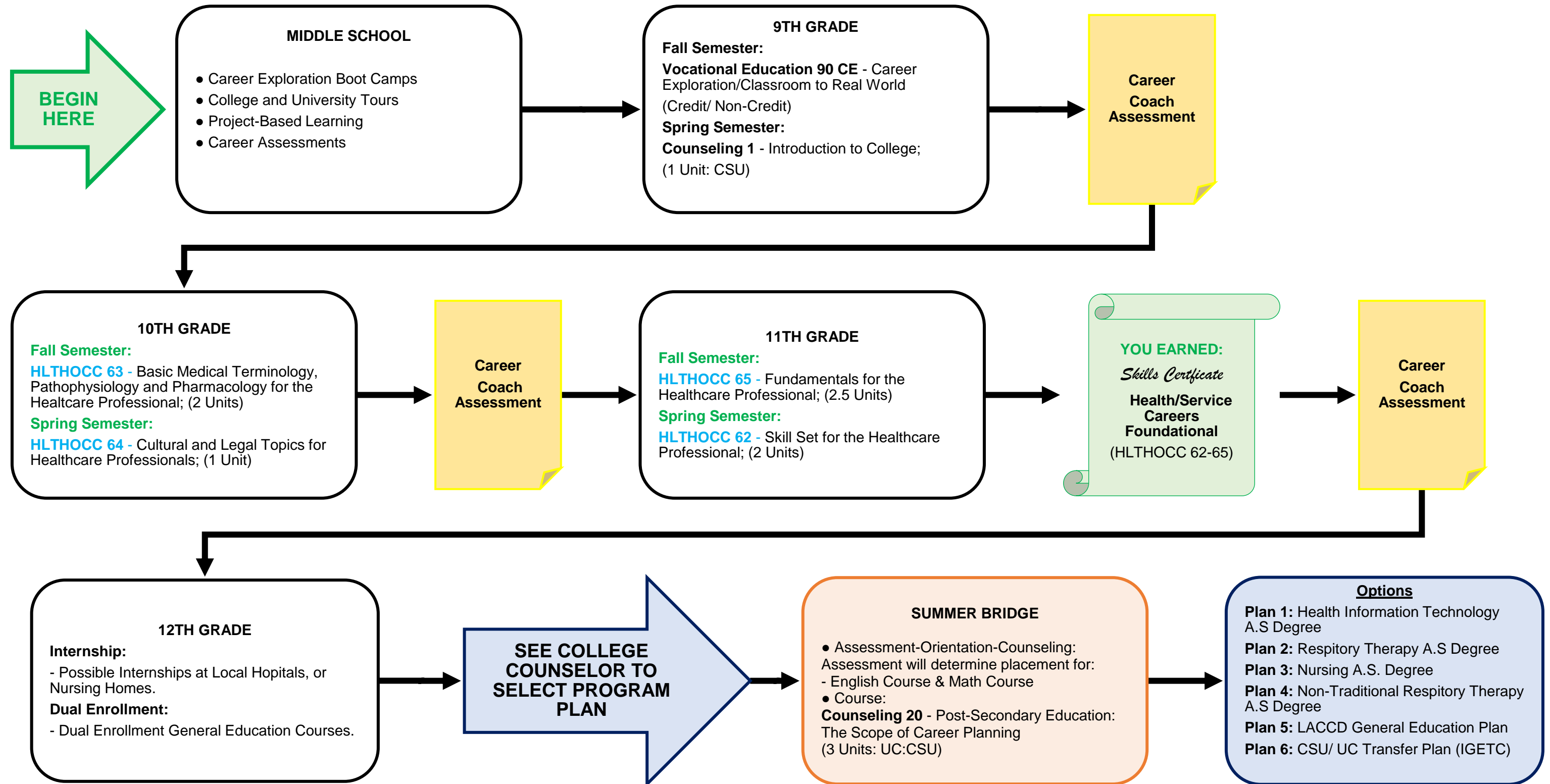
Interventional Radiology Coding	Course Number	Course Name	Units	Semester Completed	Final Grade
	CAOT 82	Microcomputer Software Survey in the Office	3		
	PHYSIOL 6	Anatomy and Physiology	6		
	HTHTEK 100	Introduction to Health Information Technology	3		
	HTHTEK 103*	Introduction to Basic Coding	3		
	HTHTEK 106*	Hospital Ethics and Law	2		
	HTHTEK 108*	Introduction to Pharmacology	1		
	HTHTEK 110*	Ambulatory Care Coding	3		
	HTHTEK 133	Medical Terminology	3		
	HTHTEK 134*	Introduction to Pathology	3		
	HTHTEK 202*	Directed Practice for Coding Specialists	1		
	HTHTEK 207*	Introduction to Health Statistics	3		
	HTHTEK 215*	Inpatient Coding and Abstracting	3		
	HTHTEK 216	Interventional Radiology Coding	3		
Total Units:			34		

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- * This course has a prerequisite or corequisite.



Career Education for Allied Health Pathway





Career Education Plan Architecture Pathway



SKILLS CERTIFICATES

Available for high school and college students.

Architectural Graphics	Course Number	Course Name	Units	Semester Completed	Final Grade
	ARC 121	Freehand Drawing I	2		
	ARC 122	Architectural Perspective	2		
	ARC 160	Computers for Designers	3		
	ARC 221	Architectural Rendering	2		
	Total Units:		9		

Architectural Detailing	Course Number	Course Name	Units	Semester Completed	Final Grade
	ARC 171	Architectural Detailing	2		
	Total Units:		2		

Architectural Computer-Aided Design 3D Modeling	Course Number	Course Name	Units	Semester Completed	Final Grade
	ARC 264	3D Modeling for Designers	3		
	Total Units:		3		

Architectural Computer-Aided Design AutoCAD	Course Number	Course Name	Units	Semester Completed	Final Grade
	ARC 161	Introduction to Computer-Aided Architectural Design	2		
	ARC 162	Computer-Aided Design And Drafting	3		
	ARC 261	Computer-Aided Design for Architecture I	3		
	ARC 262	Computer-Aided Design for Architecture II	3		
	Total Units:		11		

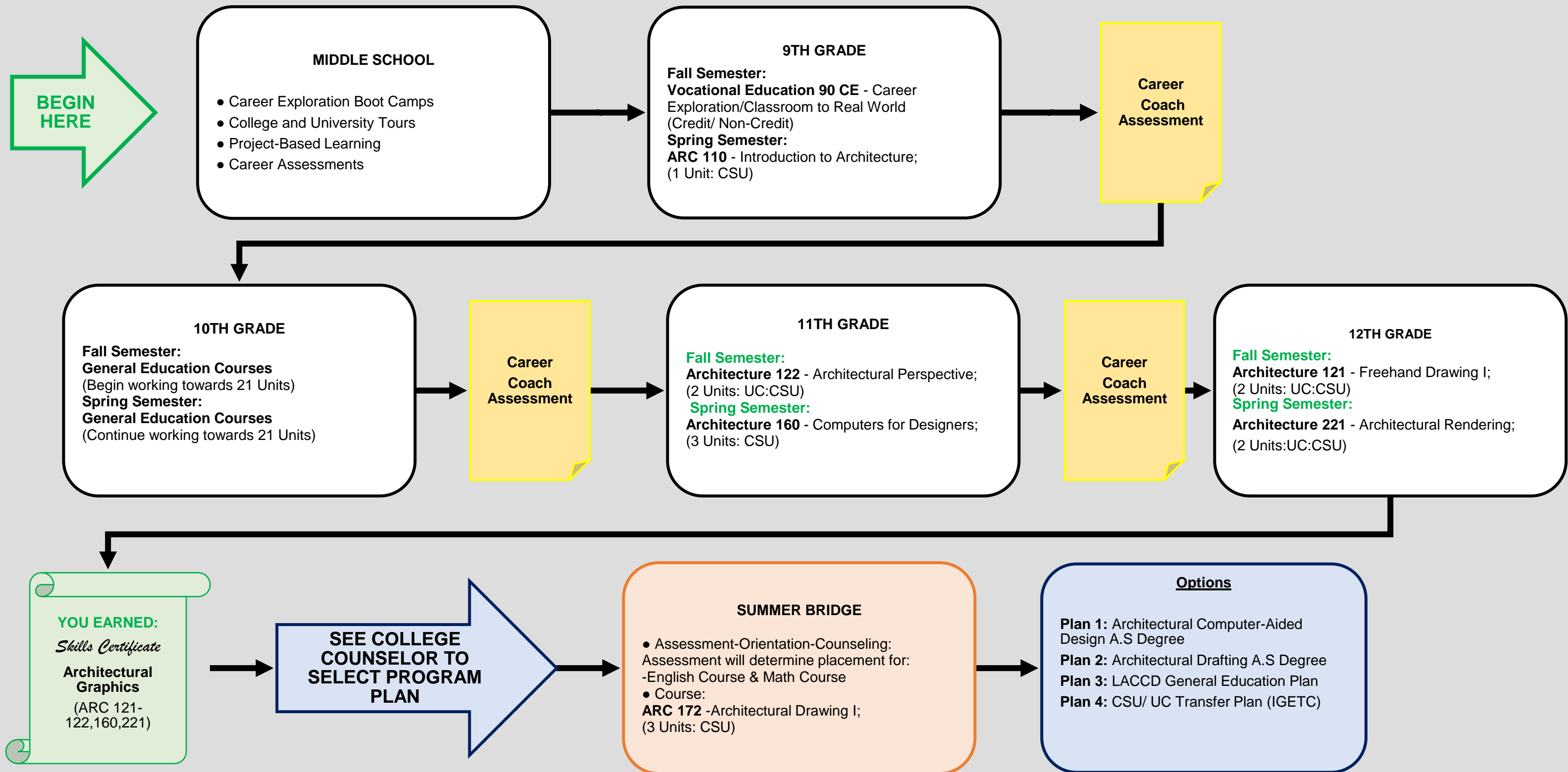
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Career Education for Architecture Pathway





Career Education Plan Automobile Technology Pathway



SKILLS CERTIFICATES

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Automotive Customer Service Management	Course Number	Course Name	Units	Semester Completed	Final Grade
	CAOT 48	Customer Service	3		
	CAOT 82	Microcomputer Software Survey in the Office	3		
	AUTOMO 101	Introduction to Automobile Technology	4		
	AUTOMO 185	Directed Study – Automobile Technology	1		
Total Units:			11		

Undercar Specialist	Course Number	Course Name	Units	Semester Completed	Final Grade
	AUTOMO 401*	Suspension Steering, and Wheel Alignment	5		
	AUTOMO 501*	Automobile Braking Systems	5		
	AUTOMO 601*	Automobile Electrical/Electronic Systems	5		
Total Units:			15		

CERTIFICATES OF ACHIEVEMENT

Automobile Technology	Course Number	Course Name	Units	Semester Completed	Final Grade
	AUTOMO 101	Introduction to Automobile Technology	4		
	AUTOMO 111*	Engine Repair and Rebuilding	5		
	AUTOMO 201*	Automatic Repair and Rebuilding	5		
AUTOMO 301*	Manual Drive Train and Transaxle	5			

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	AUTOMO 401*	Suspension, Steering and Wheel Alignment	5			
	AUTOMO 501*	Automobile Breaking Systems	5			
	AUTOMO 601*	Automobile Electrical/Electronic	5			
	AUTOMO 701*	Automobile Heating and Air Conditioning	5			
	AUTOMO 801*	Advanced Engine	5			
	Electives – Select at Least 2 Units From This List					
	AUTOMO 115	Automobile Repair Work Experience	2			
	AUTOMO 185	Directed Studies	1			
	AUTOMO 285	Directed Studies	2			
	AUTOMO 385	Directed Studies	3			
	Total Units:			46		

Cooling Systems and Climate Control Specialist	Course Number	Course Name	Units	Semester Completed	Final Grade
	AUTOMO 111	Engine Repair and Rebuilding	5		
	AUTOMO 601*	Automobile Electrical/Electronic Systems	5		
	AUTOMO 701*	Automobile Heating and Air Conditioning	5		
	Total Units:			15	

Drivetrain Specialist	Course Number	Course Name	Units	Semester Completed	Final Grade
	AUTOMO 111	Engine Repair and Rebuilding	5		
	AUTOMO 201*	Automatic Transmission and Transaxle	5		
	AUTOMO 301*	Manual Drive Train Axles	5		
	Total Units:			15	

Engine Performance and Drivability	Course Number	Course Name	Units	Semester Completed	Final Grade
	AUTOMO 111	Engine Repair and Rebuilding	5		

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	AUTOMO 601*	Automobile Electrical/Electronic Systems	5		
	AUTOMO 801*	Advanced Engine Performance	5		
	Total Units:		15		

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Career Education Plan Business Pathway



CERTIFICATES OF ACHIEVEMENT

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Business Management	Course Number	Course Name	Units	Semester Completed	Final Grade	
	ACCTG 1	Introductory Accounting I	5			
	BUS 1	Introduction to Business	3			
	CO SCI 201	Introduction to Computer Information Systems	3			
	FINANCE 2	Investments	3			
	OR					
	FINANCE 8	Personal Finance and Investments	3			
	LAW 1	Business Law I	3			
	SUPV 1	Elements of Supervision	3			
	MGMT 13	Small Business Entrepreneurship	3			
	MGMT 15	Small Business Management II	3			
	OR					
	MGMT 2	Organization and Management Theory	3			
	MARKET 1	Principles of Selling	3			
	MARKET 11	Fundamentals of Advertising	3			
	MARKET 31	Retail Merchandising	3			
	PUB REL 1	Principles of Public Relations	3			
	OR					
	MGMT 6	Public Relations in Business	3			
Total Units:			38			

Marketing	Course Number	Course Name	Units	Semester Completed	Final Grade
	BUS 1	Introduction to Business	3		
	BUS 15	Business Statistics	3		

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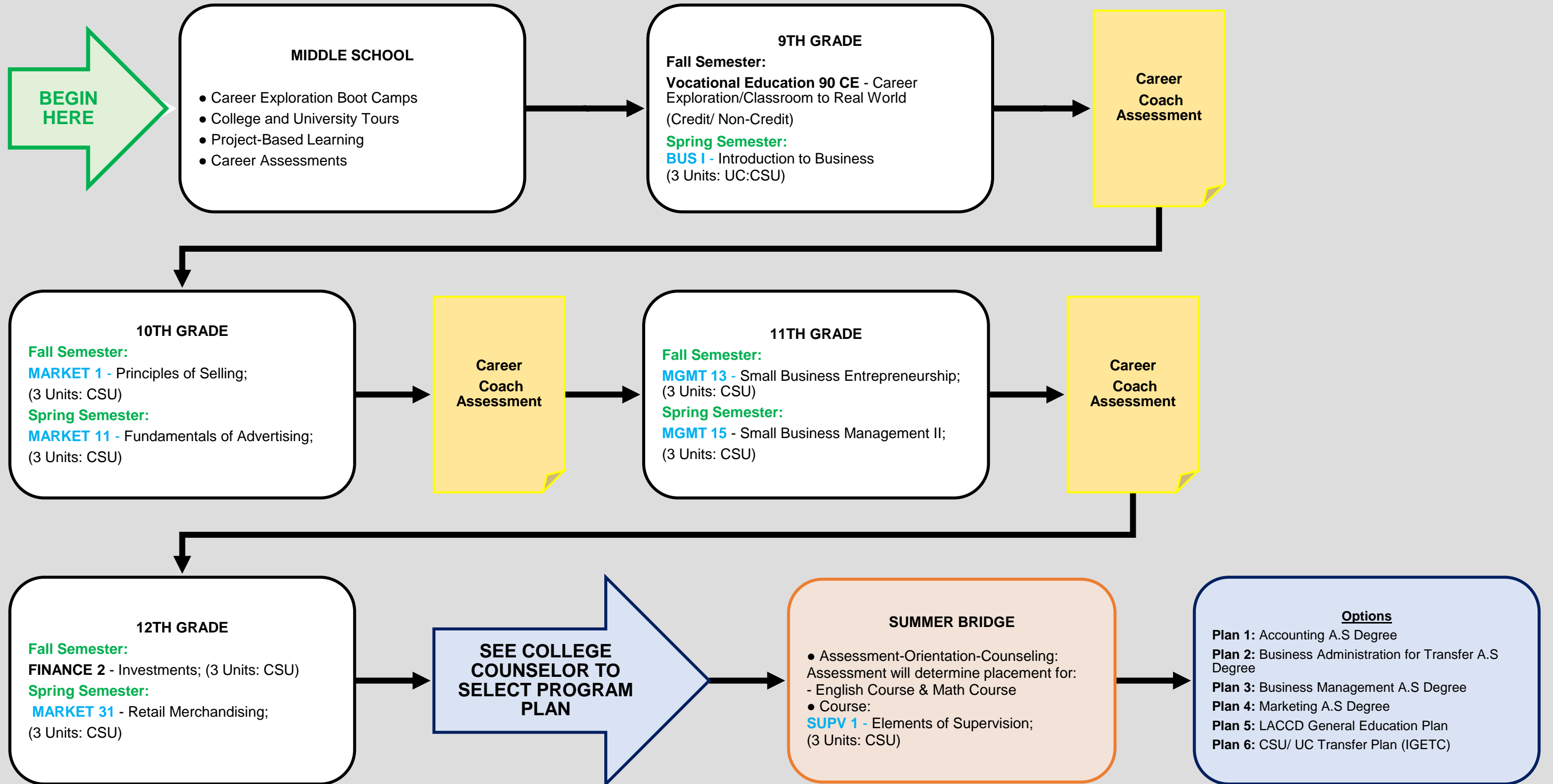
CO SCI 201	Introduction to Computer Information Systems	3		
SUPV 1	Elements of Supervision	3		
MGMT 13	Small Business Entrepreneurship	3		
OR				
MGMT 6	Public Relations in Business	3		
MGMT 15	Small Business Management II	3		
OR				
MGMT2	Organization and Management Theory	3		
MARKET 1	Principles of Selling	3		
MARKET 11	Fundamentals of Advertising	3		
MARKET 12	Advertising Copy and Layout	3		
MARKET 31	Retail Merchandising	3		
SOC 4	Sociological Analysis	3		
OR				
PSYCH 13	Social Psychology	3		
Total Units:		33		

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Career Education for Business Pathway





Career Education Plan Child Development Pathway



SKILLS CERTIFICATES

Available for high school and college students.

Associate Teacher: Teacher- Certificate 1	Course Number	Course Name	Units	Semester Completed	Final Grade
	CH DEV 1	Child Growth and Development	3		
	CH DEV 2	Early Childhood: Principles and Practices	3		
	CH DEV 11	Home, School, and Community Relations	3		
	COMPLETE ONE OF THE FOLLOWING COURSES:				
	CH DEV 3	Creative Experiences of Children I	3		
	CH DEV 4	Creative Experiences for Children II	3		
	Total Units:			12	

Children with Special Needs Emphasis	Course Number	Course Name	Units	Semester Completed	Final Grade
	CH DEV 1	Child Growth and Development	3		
	CH DEV 2	Early Childhood Principals and Practices	3		
	CH DEV 44	Early Intervention for Children with Special Needs	3		
	CH DEV 45	Programs for Children with Special Needs	3		
Total Units:			12		

Family Child Care Provider	Course Number	Course Name	Units	Semester Completed	Final Grade
	CH DEV 10	Health, Safety and Nutrition	3		
	CH DEV 50	Parenting: Family Life Focus	1		
	CH DEV 51	Parenting: Home and School Focus	1		
	CH DEV 52	Parenting: Community Resources Focus	1		
	CH DEV 60	Introduction to Family Child Care I	1		
	CH DEV 61	Introduction to Family Child Care II	1		
	CH DEV 1	Child Growth and Development	3		
	OR				
	CH DEV 62	Developmental Profiles: Pre-Birth Through Age Eight	2		

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	CH DEV 63	Creative Curriculum in a Family Child Care Setting	2		
	OR				
	CH DEV 3	Creative Experiences for Children I	3		
	OR				
	CH DEV 4	Creative Experiences for Children II	3		
	Total Units:		12-14		

CERTIFICATE OF ACHIEVEMENT

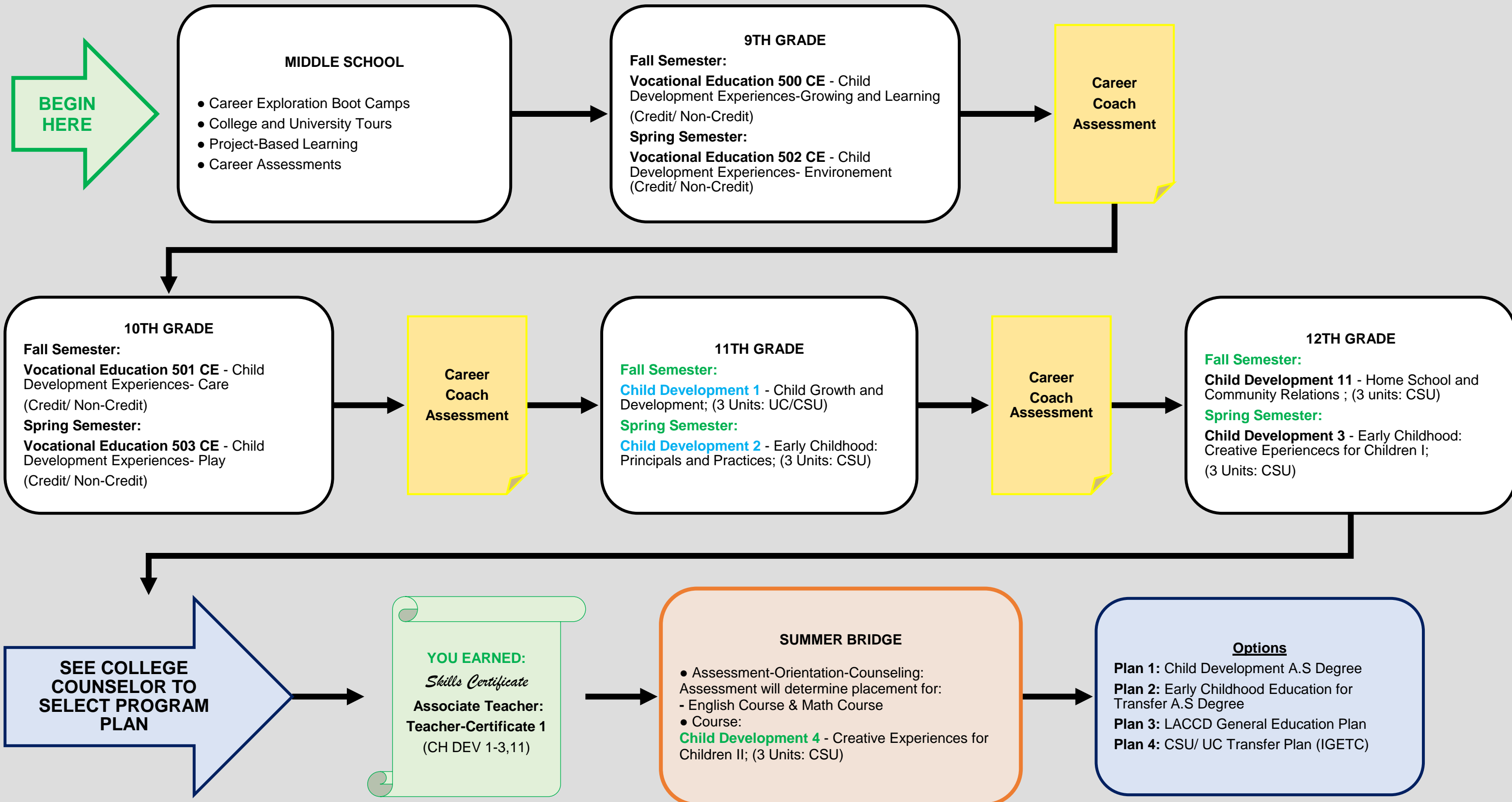
Teacher-Certificate 2	Course Number	Course Name	Units	Semester Completed	Final Grade
	CH DEV 1	Child Growth and Development	3		
	CH DEV 2	Early Childhood: Principles and Practices	3		
	CH DEV 3	Creative Experiences of Children I	3		
	CH DEV 4	Creative Experiences for Children II	3		
	CH DEV 10	Health, Safety and Nutrition	3		
	CH DEV 11	Home, School, and Community Relations	3		
	CH DEV 22*	Practicum in Child Development I	4		
	CH DEV 42	The Child in a Diverse Society	3		
	Total Units:		25		
General Education Requirements			16		
Total Units:		41			

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Career Education for Child Development Pathway





Career Education Plan Cloud Computing Pathway



CERTIFICATE OF ACHIEVEMENT

Available for high school and college students.

Cloud Computing	Course Number	Course Name	Units	Semester Completed	Final Grade
	CO SCI 201	Introduction to Computer Information Systems	3		
	CO SCI 276	Introduction to Cloud Computing	3		
	CO SCI 277	Database Essentials in Amazon Web Services	3		
	CO SCI 278	Compute Engines in Amazon Web Services	3		
	CO SCI 279	Securities in Amazon Web Services	3		
	Total Units:		15		
	Electives	Choose One:			
	CO SCI 224	Python Program	3		
	CO SCI 290	Java Programming	3		
CO SCI 295	Asp.Net Programming in C#	3			
CO SCI 258	Server-side Ruby Web Programming	3			

Disclaimer:

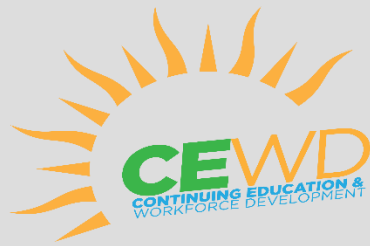
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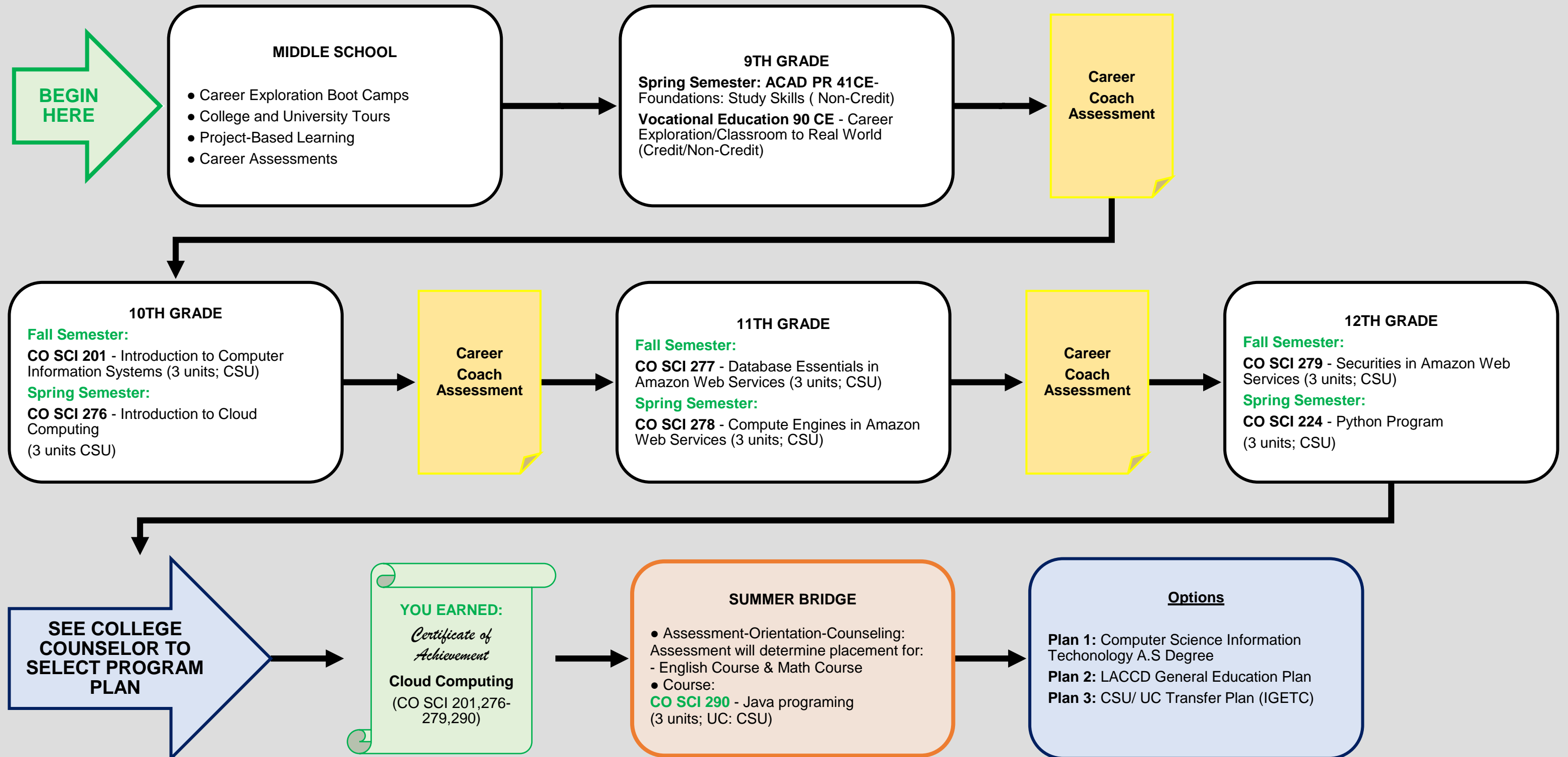
*This course has a prerequisite or corequisite.

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Career Education for Cloud Computing Pathway





Career Education Plan Engineering & Design Pathway



SKILLS CERTIFICATES

Available for high school and college students.

Programming Certification	Course Number	Course Name	Units	Semester Completed	Final Grade
	MIT 220	Introduction to Robotics	3		
	EET 123	Introduction to Arduino	2		
	Total Units:		5		

Engineering Graphics	Course Number	Course Name	Units	Semester Completed	Final Grade
	EGD TEK 102	Engineering Graphics with Geometric Dimensioning and Tolerancing	3		
	EGD TEK 111	2-D Computer-Aided Drafting with Autocad	3		
	OR				
	EGD TEK 112	2-D Computer-Aided Design with Microstation	3		
	EGD TEK 121	3-D Computer-Aided Design with SolidWorks	3		
	OR				
	EGD TEK 122	3-D Computer Aided Design with CATIA	3		
	Total Units:		9		

CERTIFICATES OF ACHIEVEMENT

Engineering Graphics	Course Number	Course Name	Units	Semester Completed	Final Grade
	EGD TEK 102	Engineering Graphics with Geometric Dimensioning and Tolerancing	3		
	EGD TEK 111	2-D Computer-Aided Drafting with Auto CAD	3		
	OR				
EGD TEK 112	2-D Computer-Aided Design with Microstation	3			

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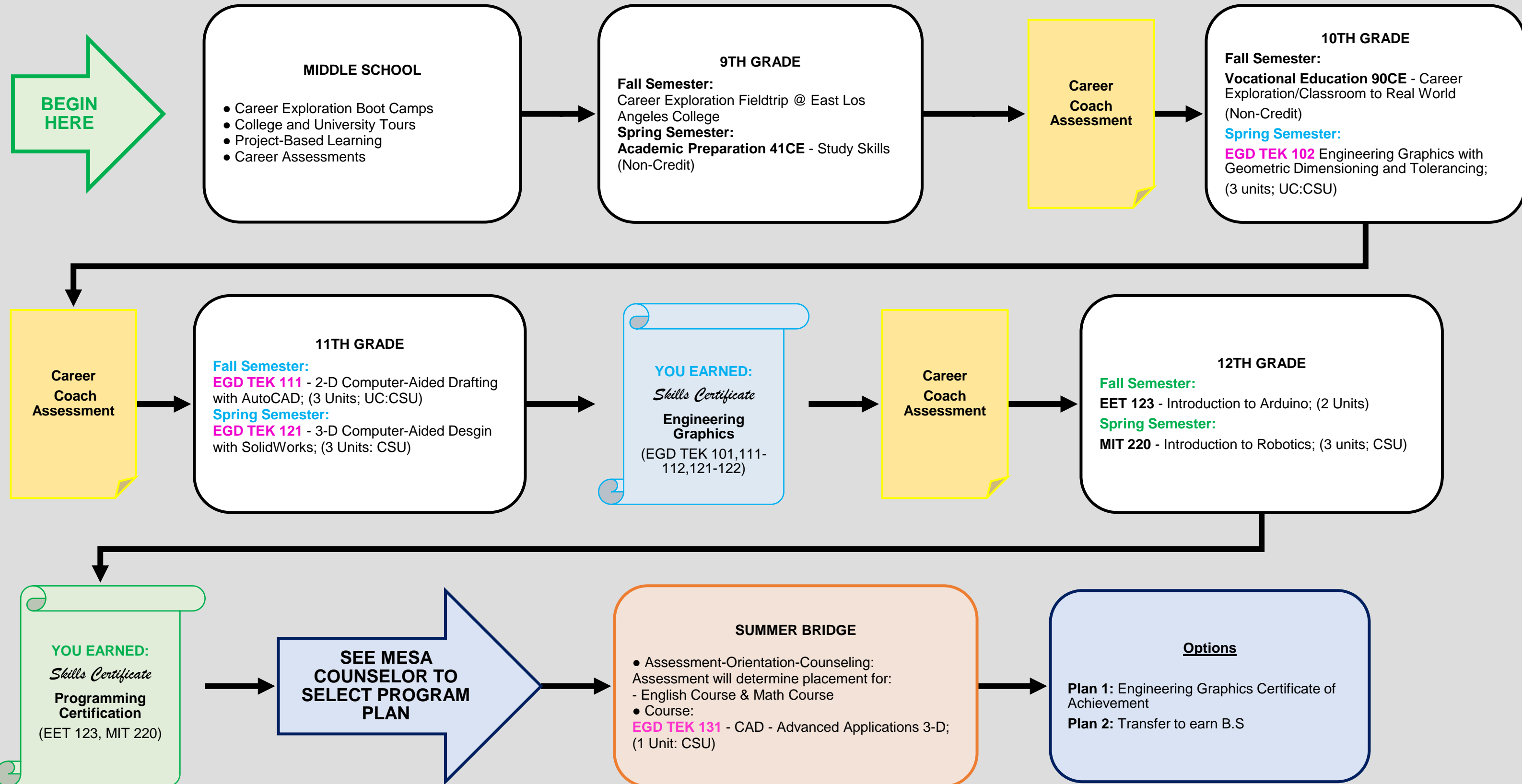
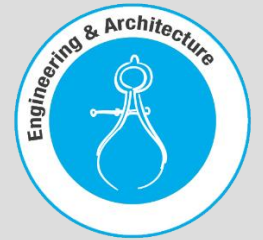
	EGD TEK 121	3-D Computer-Aided Design with SolidWorks	3		
	OR				
	EGD TEK 122	3-D Computer Aided Design with CATIA	3		
	EGD TEK 131	CAD-Advanced Applications 3-D	1		
	IND TEK 103	Technical Writing and Communication	2		
	IND TEK 105	Industrial Print Reading	3		
	IND TEK 106	Shop Math and Measurements	2		
	Total Units:			17	

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Career Education for Engineering Pathway





Career Education Plan Kinesiology Pathway



SKILLS CERTIFICATES

Available for high school and college students.

Kinesiology Athletic Coach	Course Number	Course Name	Units	Semester Completed	Final Grade
	HEALTH 12	Safety Education and First Aid	3		
	KIN MAJ 103	Introduction to Coaching Athletics	3		
	KIN MAJ 106	Sports Ethics	3		
	KIN 185	Independent Study	1		
Total Units:			10		

Aquatics Specialist	Course Number	Course Name	Units	Semester Completed	Final Grade
	HEALTH 12	Safety Education and First Aid	3		
	KIN MAJ 134	Advanced Lifesaving	2		
	KIN MAJ 135	Water Safety Instruction	1		
	KIN 301-1	Swimming I	1		
	KIN 301-2	Swimming II	1		
	KIN 301-3	Swimming III	1		
	KIN 301-4	Swimming Skills IV	1		
Total Units:			12		

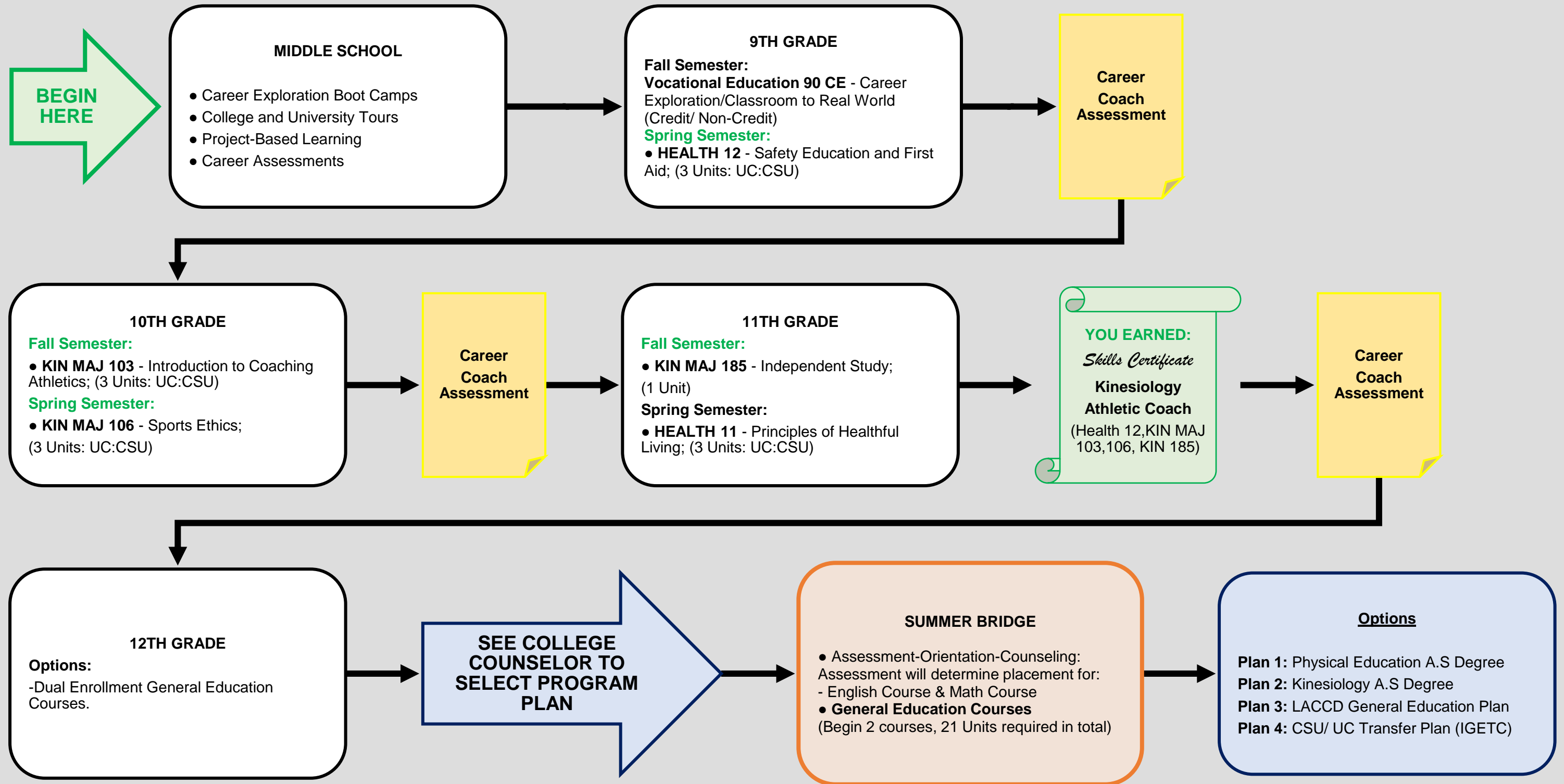
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Career Education for Kinesiology Pathway





Career Education Plan Logistics Pathway



SKILLS CERTIFICATES

Available for high school and college students.

Logistics Material Handling Certification	Course Number	Course Name	Units	Semester Completed	Final Grade
	LOGTIC 101	Technology in Global Logistics	1		
	LOGTIC 102	Concepts in Global Logistics	2		
	LOGTIC 103	Inventory in Global Logistics	2		
	LOGTIC 104	Logistics: Cornerstone Essentials	3		
	LOGTIC 105	Green Logistics and GIS Technology	3		
Total Units:			11		

Leadership in Global Logistics	Course Number	Course Name	Units	Semester Completed	Final Grade
	LOGTIC 104	Logistics: Cornerstone Essentials	3		
	LOGTIC 105	Green Logistics and GIS Technology	3		
	LOGTIC 106	Leadership in Logistics	3		
Total Units:			9		

Global Trade & Logistics – International Trade & Transportation	Course Number	Course Name	Units	Semester Completed	Final Grade
	INT BUS 1	International Trade	3		
	INT BUS 2	Transport Systems	3		
	LOGTIC 102	Concepts in Global Transportation	2		
	LOGTIC 103	Inventory in Global Logistics	2		
Total Units:			10		

Global Trade & Logistics – Import & Export	Course Number	Course Name	Units	Semester Completed	Final Grade
	CAOT 48	Customer Service	3		

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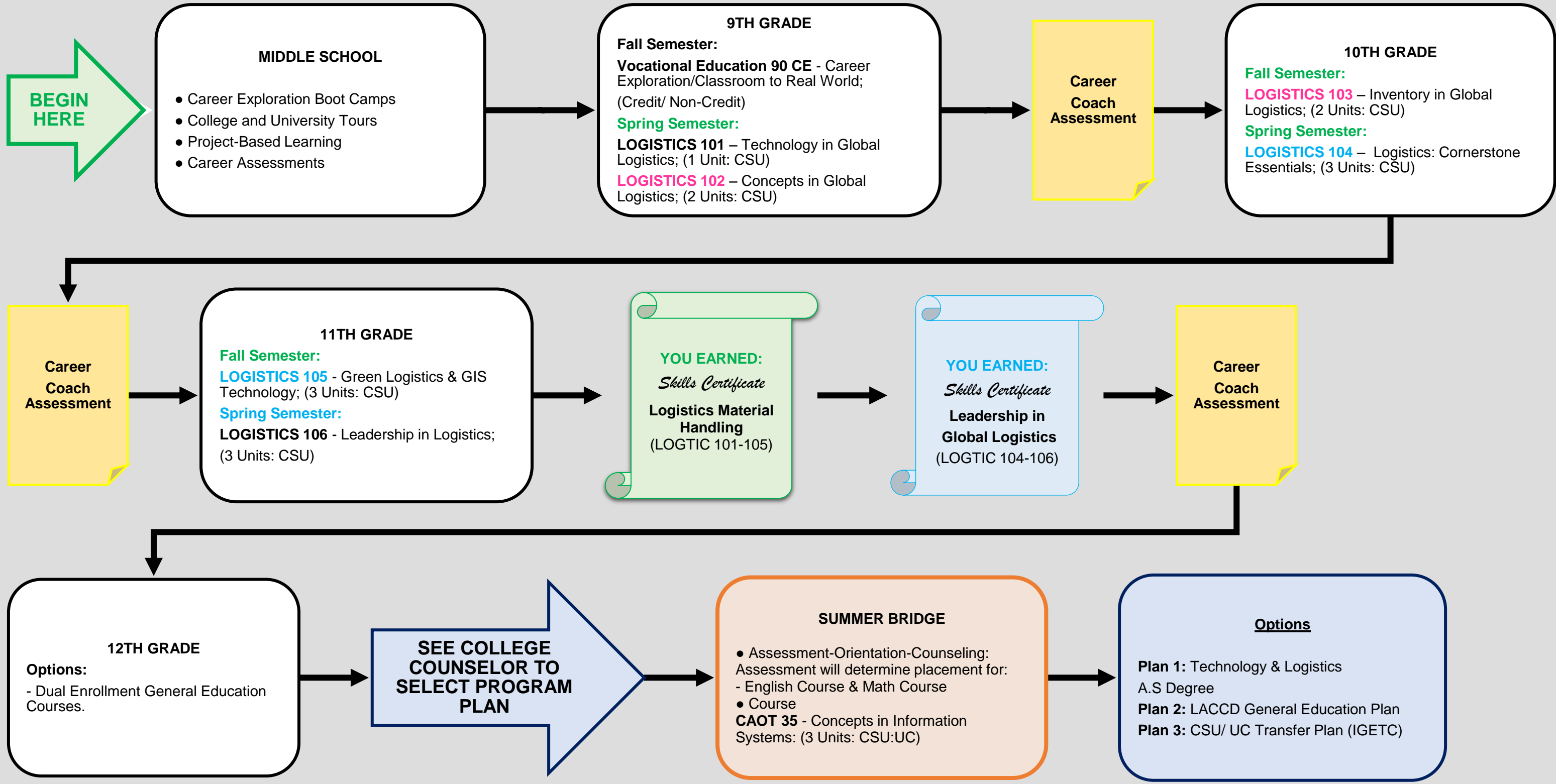
	INT BUS 3	Export Procedure I	3		
	INT BUS 4	Import Procedure I	3		
	LOGTIC 101	Technology in Global Logistics	1		
	Total Units:			10	

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Career Education for Logistics Pathway





Career Education Plan Theater Arts Pathway SKILLS CERTIFICATES



Available for high school and college students.

Costume Construction	Course Number	Course Name	Units	Semester Completed	Final Grade	
	TECTHTR 305	Orientation to Technical Careers in Entertainment	2			
	TECTHTR 345	Costume and Make-up Practicum	2			
	TECTHTR 363	Costume Textile Design with Dye, Print and Paint	3			
	TECTHTR 364	Costume Draping and Pattern Making	3			
	ELECTIVE COURSES					
	TECTHTR 365	Historical Costume Sewing and Pattern Making	3			
	TECTHTR 366	Fantasy Costume Sewing and Pattern	3			
Total Units:			13			

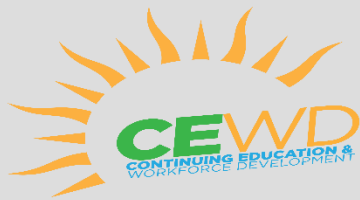
Costume Design & Application	Course Number	Course Name	Units	Semester Completed	Final Grade
	TECTHTR 305	Orientation to Technical Careers in Entertainment	2		
	TECTHTR 345	Costume and Make-Up Practicum	2		
	TECTHTR 360	Costume Design for Theater	3		
	TECTHTR 367	Costume and Fashion History	3		
Total Units:			10		

Wardrobe Attendant	Course Number	Course Name	Units	Semester Completed	Final Grade
	TECTHTR 342	Technical Stage Production	2		
	TECTHTR 345	Costume and Make-up Practicum	2		
	TECTHTR 364	Costume Draping and Pattern Making	3		
Total Units:			7		

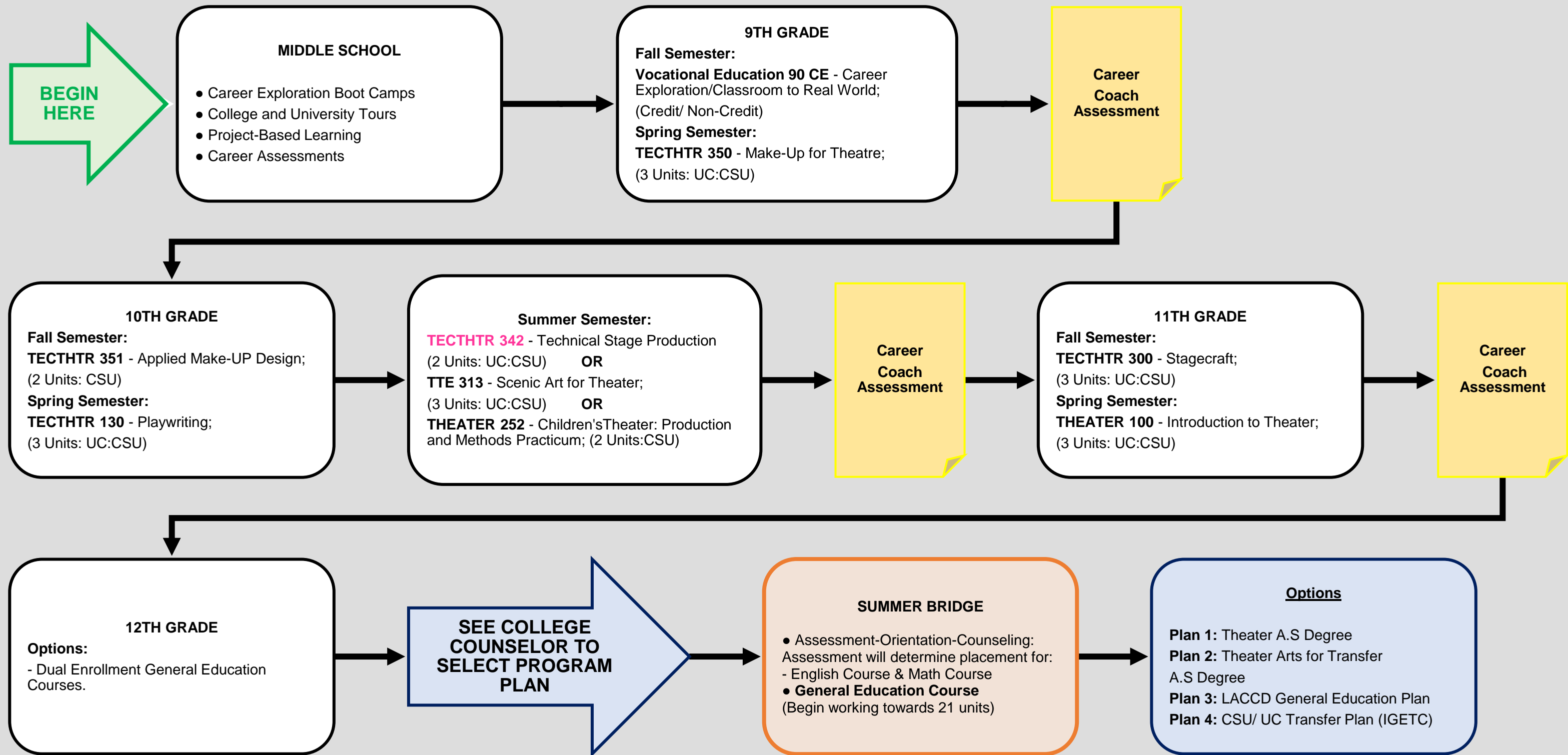
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Career Education for Theater Arts Pathway



Career Education Pathways 2018-2019
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