

LOS ANGELES UNIFIED SCHOOL DISTRICT

Career Technical Education Course List

2020-2021



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Course List Legend

High School CTE Courses (Non a-g)

PLTW (requires training from PLTW)

a-g Approved Courses

Middle School CTE Courses

(Sem) Must be combined with another Semester course to complete 1-year

(MP 999) Multiple Pathways Introductory course within the Sector

* New 2020-21 CTE Course

REQUIREMENTS FOR CTE PATHWAYS

CTE Credentials

From the California State Plan for CTE, chapter five, page 223, CTE programs must: “Be staffed by qualified CTE teachers, meaning teachers who 1) possess a standard secondary, single-subject or designated-subject credential which authorizes the teaching of the CTE course(s) to which assigned, and 2) can document employment experience, outside of education, in the career pathway addressed by the program or other evidence of equivalent proficiency.

CCR §80004 designates five single subject credentials as CTE-eligible. 5 CCR §80005 lists the subject authorizations for each, which infers their industry authorization. Holders of a Single Subject Credential in the areas below are allowed to teach within the respective CTE areas:

BOTH Agriculture Education AND Agriculture Specialist*	<ul style="list-style-type: none"> • Agriculture and Natural Resources
Business Education	<ul style="list-style-type: none"> • Business and Finance • Information and Communications Technologies • Marketing, Sales, and Services
Home Economics	<ul style="list-style-type: none"> • Education, Child Development, and Family Services • Fashion and Interior Design • Hospitality, Tourism, and Recreation
Industrial and Technology Education or Industrial Arts	<ul style="list-style-type: none"> • Arts, Media, & Entertainment (all pathways except Performing Arts, per 5 CCR §80005) • Building and Construction Trades • Energy, Environment, and Utilities • Engineering and Architecture • Information and Communications Technologies • Manufacturing and Product Development** • Transportation

*To be CTE-eligible for Agriculture & Natural Resources, the teacher must hold BOTH a single subject “Agriculture” AND the “Agriculture Specialist” credential.

**The “Graphic Production Technologies” pathway under the Manufacturing and Product Development sector CANNOT cover video production. That is a topic that supports the standards of Arts, Media, & Entertainment sector, and not the Manufacturing and Product Development sector.

Sequences of courses for CTE programs meeting the CA School Dashboard Indicator

For the *College and Career Readiness Indicator* of the California School Dashboard, students must minimally complete a Concentrator and a Capstone course for pathway completion. Student must earn a High School Diploma and completion of a full two-year sequence including a Capstone with a combined duration of not less than 300 hours. Example:

2-year sequence

- One-Year Concentrator *AND*
- One-Year Capstone

3-year sequence

- One-Year Introductory *AND*
- One-Year Concentrator *AND*
- One-Year Capstone

4-year sequence

- One-Year Introductory *AND*
- (2) One-Year Concentrators *AND*
- One-Year Capstone

While each pathway can offer multiple concentrator courses, it must culminate to One Capstone course.

Requirements for a High School CTE Pathway

- A two-year CTE course sequence, comprised of a Concentrator and a Capstone course, is required for students to complete the career pathway on the California Schools Dashboard. A third year is required for CPA and Linked Learning pathways.
- Students must be programmed into the correct course sequence, as courses build upon the skills acquired in the previous course (Certify Rule SCH 070-0290).
- Double-rostering students from two different courses in the same instructional period is not allowed according to guidance from CDE (Certify Rule SCH 070-0350).
- CTE courses must be taught by teachers holding a valid, pathway-aligned CTE teaching credential; an equivalent Designated Subjects Vocational Education teaching credential; OR an equivalent single subject teaching credential in Agriculture, Business, Home Economics, Industrial Arts, or Industrial Technology Education, depending on the course. All teachers must have an EL authorization.
- The CTE pathway should lead to an industry-recognized certificate or credential for employability and post-secondary preparation.
- Schools are responsible for entry of all CTE-related outcomes and data elements supported by MiSiS via new CTE data fields.
- Compliance with Individuals with Disabilities Education Act, Section 504 of the Rehabilitation Act and Americans with Disabilities Act (ADA) accessibility requirements and accommodations are required, and monitored annually by the California Department of Education, Civil Rights Review. The Civil Rights Review states, "All CTE opportunities are offered regardless of actual or perceived race, color, national origin, sex, disability, ancestry, age, gender, gender identify, gender expression, ethnicity, religion, immigration status, sexual orientation or association with a person or group with one or more of these actual or perceived characteristics."

Requirements for CTE pathways assisted with Perkins V funds

- Schools must commit their master schedule to at least a two-year course sequence from the approved CTE course list.
- All students must be part of a cohort in the two-year course sequence consisting of a concentrator and a capstone. The sequence must provide students with the instruction necessary to develop the skill and knowledge levels required for employment and postsecondary education or training.
- Consist of not less than two full-year CTE courses with a combined duration of not less than 300 hours; or a single, multiple-hour course which provides sequential units of instruction and has a duration of not less than 300 hours.
- Be coherent, meaning that the sequence may only include those CTE courses with objectives and content that have a clear and direct relationship to the occupation(s) or career targeted by the program.
- The pathways must culminate in an industry recognized certification or third party exam (Anchor Standard 11.2) for employability and post-secondary preparation.
- Each pathway spends at least 50% of the instructional day on the CTE Model Curriculum standards and strive to meet 11 Elements of High Quality CTE programs.

Bell Schedule Type	Number of Periods CTE Courses are taught
6 Periods	3 Periods
7 Periods	3 Periods
8 Periods	4 Periods
4 x 4	2 Periods per mester

- Students who have successfully completed a CTE course may NOT repeat the same course (Certify Rule SCH 070-0330).
- Double rosters for any CTE pathway is disallowed by CDE (Certify Rule SCH 070-0350).
- Students scheduled in Capstone courses with no prior Concentrator in the same Career Pathway (Certify Rule SCH 070-0290).
- Completion of CTE Pathway Review (11 Elements).

AGRICULTURE & NATURAL RESOURCES (ANR)

INTRODUCTORY	CONCENTRATOR	CAPSTONE
AGRISCIENCE (102)		
7130	7131	7132
Agriscience AB (60-05-51/52) Intro to Agriscience AB (60-05-07/08) MIDDLE SCHOOL ENV MGMT MS AB (60-26-21/22)	Agriculture AB (60-05-05/06)	Urban Farm to Table AB (60-25-85/86) a-g (G)

ANIMAL SCIENCE (103)		
7140	7141	7142
Animal Science 1 AB (60-05-33/34) MIDDLE SCHOOL Agriscience & Animal Sci AB MS (60-05-31/32)	Principles of Animal Science AB (60-05-01/02) a-g (G) Animal Caretaking (60-15-50) Vet Technician (60-15-70)	Animal Anatomy, Phy & Vet Med AB (60-05-03/04) a-g (D) Animal Science 2 AB (60-05-35/36) Social Emotional & Therapy Ani AB (TBD)

ORNAMENTAL HORTICULTURE (105)		
7160	7161	7162
Floriculture AB (60-25-41/42) Horticulture 1 AB (60-16-25/26) MIDDLE SCHOOL Explore Horticulture MS (60-16-21) (sem) Horticulture MS AB (60-16-23/24) LNDSC HRT AB MS (60-16-33/34)	CTE Ornamental Horticulture AB* (60-16-35/36) a-g (G) Innovative Floriculture CTE AB (60-25-51/52) a-g (G) Flor/1: Foundations (60-25-50) Flor/2: Operations (60-25-55) Horticulture 2 AB (60-16-27/28) Landscape/2: Operations AB (60-25-77/78)	Advanced Floriculture CTE (60-25-53/54) a-g (G) Greenhouse & Hort Practice AB (60-16-31/32) a-g (G) Horticulture 3 AB (60-16-29/30) Landscape/3: Sustainable Des AB (60-25-81/82) Sustainable Landscaping AB (60-25-83/84)

PLANT & SOIL SCIENCE (106)		
7170	7171	7172
	Plant & Soil Science AB (60-25-56/57) a-g (D)	CTE Adv Plant & Soil AB* (60-25-58/59) a-g (G) CTE Agri and Soil Chemistry AB (60-25-67/68) a-g (G)

ARTS, MEDIA AND ENTERTAINMENT (AME)

Design, Visual & Media Arts

INTRODUCTORY	CONCENTRATOR	CAPSTONE
DESIGN, VISUAL, AND MEDIA ARTS (Sub-Pathway 111a: Graphic Design)		
7210	7211	7212
Drawing for Design AB (60-89-21/22) a-g (F) Intro Graphic Design AB (60-90-47/48) a-g (F)	Graphic Design AB (60-90-55/56) a-g (F) CTE Graphic Design Animation AB (60-65-53/54) a-g (F)	Graphic Design: Ad Design AB (60-90-51/52) a-g (G) Virtual Branding and Design AB (60-65-63/64) a-g (G)
Graphic Des Fundamentals AB (60-65-51/52) MIDDLE SCHOOL Exploratory Graphic Arts MS (60-90-41) (sem) Graphic Arts AB MS (60-90-43/44) Graphic Production AB MS (60-90-45/46)	Desktop Publishing/1 (60-55-70) Desktop Publishing/2 (60-55-75) Graphic Design: Digital Imag AB (60-65-57/58)	Graphic Design: Web Design AB (60-65-67/68)

DESIGN, VISUAL, AND MEDIA ARTS (Sub-Pathway 111b: Animation)		
7213	7214	7215
CTE- Draw and Anim Fund AB ((60-55-47/48) a-g Pending)	Animation 1 AB CTE (60-55-47/48) a-g (F) Conceptual Design 1 AB CTE (60-55-43/44) a-g (F) CTE Computer Animation 1AB (60-55-61/62) a-g (F)	Animation and Design Media AB (60-55-57/58) a-g (G) CTE Animation 2 AB (60-55-53/54) a-g (F) Computer Animation 2 AB (60-55-67/68) a-g (F)

DESIGN, VISUAL, AND MEDIA ARTS (Sub-Pathway 111c: Visual/Commercial Art)		
7216	7217	7218
Photography 1 AB (60-65-79/80) a-g (F)	Digital Photo Design AB (60-65-83/84) a-g (G) Photography AB (60-65-71/72) a-g (F)	Experimental Photography AB (60-65-81/82) a-g (G) Commercial Photography AB (60-65-77/78)

ARTS, MEDIA AND ENTERTAINMENT (AME)

Performing Arts

INTRODUCTORY	CONCENTRATOR	CAPSTONE
PERFORMING ARTS (Sub-Pathway 112a: Dance/Choreography)		
7230	7231	7232
MIDDLE SCHOOL CTE Found Dance & Chore AB* (60-73-09/10)	CTE Beginning Dance AB (60-73-01/02) a-g (F) Dance Choreography AB (60-73-03/04) a-g (F)	Adv Dance Perform & Chore AB (60-73-05/06) a-g (F) CTE Dance Company AB* (60-73-07/08) a-g (G)

PERFORMING ARTS (Sub-Pathway 112c: Professional Theatre)		
7236	7237	7238
	Acting for Film & Television 1 AB (60-74-03/04) a-g (F) Theatre Foundations AB (60-75-03/04) a-g (F)	CTE Advanced Musical Theatre AB* (60-75-07-08) a-g (G) CTE Advanced Theatre AB (60-75-05/06) a-g (G)

ARTS, MEDIA AND ENTERTAINMENT (AME)

Production & Managerial Arts

INTRODUCTORY	CONCENTRATOR	CAPSTONE
PRODUCTION & MANAGERIAL ARTS (Sub-Pathway 113a: Stage Technology)		
7240	7241	7242
Stage Tech Foundations 1 AB (60-85-51/52) MIDDLE SCHOOL Stage AB MS (60-85-41/42) Theatre Basic AB MS (60-75-53) MP 999 (sem) Theatre Essentials MS AB CTE (60-75-55/56) MP 999	Technical Theatre 1 AB (60-54-25/26) a-g (F) Theatre Design 1 AB (60-54-21/22) a-g (F) Stage 1 AB (60-85-43/44) Stage Tech: Prod & Mgmt 2 AB (60-85-53/54)	Performing Artist AB (60-75-51/52) a-g (F) Stage Technology 3 AB (60-85-57/58) a-g (G) Technical Theatre 2 AB (60-54-27/28) a-g (F) Theatre Design 2 AB (60-54-23/24) a-g (F)
		Stage 2 AB (60-85-45/46)

PRODUCTION & MANAGERIAL ARTS (Sub-Pathway 113b: Film/Video Production)		
7243	7244	7245
H Tech Script Write & Anal AB (60-85-93H/94H) a-g (G) Video Prod 1 AB DM (60-86-23/24) a-g (F) MIDDLE SCHOOL Exploring Video Prod AB MS (60-85-83/84) Investigative Video Prod AB MS (60-85-85/86) MP 999	Graphic Design/Photoshop 1 AB (60-54-29/30) a-g (F) H Tech Script Write & Anal: Film AB (60-85-95H/96H) a-g (G) Video Prod 2 AB RM (60-86-25/26) a-g (F) Video Production Portfolio AB (60-86-31/32) a-g (F)	H Tech Script Write & Anal: TV Ser AB (60-85-97H/98H) a-g (G) Pro Web/New Med & Mobile Dev (60-55-77/78) a-g (G) Video Prod 3 AB IM (60-86-27/28) a-g (F) Video Prod, Theory and Practice AB (60-85-91/92) a-g (F) Video Production/4 (60-85-81) a-g (G) (sem)
		Video Production/3 (60-85-80) (sem)

BUILDING AND CONSTRUCTION TRADES (BCT)

INTRODUCTORY	CONCENTRATOR	CAPSTONE
CABINETRY, MILLWORK, AND WOODWORKING (120)		
7310	7311	7312
Wood Industrial 1 AB (61-15-19/20)	Principles of Woodworking AB (61-15-15/16) a-g (G)	Advanced Woodworking AB (61-15-17/18) a-g (G)
MIDDLE SCHOOL Exploratory Woods MS (61-14-09) (sem) Woods AB MS (61-14-11/12)	Bench Carpentry (61-15-50) (sem) Carpentry (61-15-60) (sem) Wood Cabinetmaking 2 AB (61-15-21/22)	Wood Cabinetmaking 3 AB (61-15-23/24) Woodworking Mach Op AB (61-15-71/72)

RESIDENTIAL & COMMERCIAL CONSTRUCTION (123)		
7340	7341	7342
Construction Work 1 AB (61-35-51/52)	Multi-Craft Core UCCI AB (61-15-65/66) a-g (G)	Construction Technology AB (61-35-47/48) a-g (G)
	Construction Work 2 AB (61-35-61/62)	Construction Work 3 AB (61-35-73/74)

BUSINESS AND FINANCE (BAF)

INTRODUCTORY	CONCENTRATOR	CAPSTONE
FINANCIAL SERVICES (180)		
7400	7421	7422
	Accounting AB (65-15-53/54) a-g (G) CTE Banking and Fin Serv AB (65-25-83/84) a-g (G) CTE Intro to Business Careers AB (65-36-29/30) a-g (G) Banking/1: Op's (65-25-50) (sem) Banking/2: Mgmt (65-25-60) (sem) Business Org (65-36-05) (sem) Intro Bus Careers (65-36-03) (sem) Finance/1: Planning (65-25-70) (sem) Finance/2: Invest (65-25-80) (sem) Virtual Business AB (65-36-11/12)	Financial Mgmt & Assessment AB (65-25-81/82) a-g (G) Formulating Stats 21st Century (65-36-15) a-g (G) (sem) Tax Preparation (65-15-70) (sem) Financial Planning (65-36-09) (sem)
INTERNATIONAL BUSINESS (181)		
7400	7431	7432
	CTE Business in Global Economy AB (65-36-41/42) a-g (G) CTE Global Logistics AB (65-36-43/44) a-g (G)	CTE Global Trade & Logistics AB (65-36-45/46) a-g (G) Logist 2: Pack/Warehouse (68-25-60) Logist 3: Transport (68-25-70)
BUSINESS MANAGEMENT (182)		
7400	7411	7412
	Business 100 AB (65-36-07/08) a-g (G) Business Communication & Tech AB (65-36-13/14) a-g (G) Business of Music AB (65-36-37/38) a-g (G) CTE Foundations of Entrepr AB (65-36-33/34) a-g (G) Small Business Managem't AB (65-36-19/20) a-g (G) Admin Asst/1: Office Pro (65-35-50) Admin Asst/2: Bus English (65-35-60) Business English Communication (65-35-43) (sem) Computer Op/1: Found (65-35-80) Computer Op/2: Int Apps (65-35-90)	Admin Asst/4: Office Mgmt (65-35-71/72) a-g (G) Advanced Business Mgmt AB (65-36-39/40) a-g (G) Business Entrepreneurship AB (65-36-35/36) a-g (G) Business Mgmt & Leadership AB (65-36-21/22) a-g (G) Admin Asst/3: Bus Math (65-35-70) (sem) Computer Op/3: Database (65-45-50) (sem) Computer Op/4: Presentations (65-45-60) (sem) Computer Op/5 I C3 (65-45-70) (sem) MOS/1: Word (65-45-80) (sem) MOS/2: Excel (65-45-90) (sem)

EDUCATION, CHILD DEVELOPMENT AND FAMILY SERVICES (ECDFS)

INTRODUCTORY	CONCENTRATOR	CAPSTONE
CHILD DEVELOPMENT (130)		
7500	7510	7511
Parenting/Child Development (62-17-23) (sem) (MP 999)	Child Dev 1: Found (62-15-73) a-g (G) Child Dev 2: Cur'lm (62-15-74) a-g (G) Infant Studies AB (62-16-19/20) Intro. to Careers with Children (62-17-25) (sem) Intro. to Child Psychology (62-17-20) (sem)	Child Dev/Principles & Practice AB (62-15-71/72) a-g (G) CTE Careers with Children AB* (62-19-21/22) a-g (G) Child Dev/3: Supervision (62-15-70) (sem) Infant Studies Lab AB (62-16-21/22)

CONSUMER SERVICES (131)		
7500	7520	7521
Basic Living Skills (62-25-19) (sem) (MP 999)		

EDUCATION (132)		
7500	7530	7531
	Education 1: Foundations AB (62-25-53/54) a-g (G) Education/2: Elementary Ed (62-25-60) (sem)	Child Develop and Education AB (62-25-55/56) a-g (G) Ed/3: Secondary Ed (62-25-70) (sem) Ed/4: Special Ed (62-25-80) (sem)

FAMILY AND HUMAN SERVICES (133)		
7500	7540	7541
	Peer & Interrelation Mgmt AB (62-35-47/48) a-g (G)	Social and Human Services Asst (62-35-51/52)

ENERGY, ENVIRONMENT AND UTILITIES (EEU)

INTRODUCTORY	CONCENTRATOR	CAPSTONE
ENVIRONMENTAL RESOURCES (141)		
7610	7611	7612
	Photovoltaic/1 (62-65-50) (sem) Photovoltaic/2 (62-65-60) (sem) Energy Auditing (62-85-50) (sem) Environmental Technology 101 AB (TBD)	Energy Effic'y & Applied Research AB (62-55-51/52) a-g (G) Photovoltaic 3AB (62-65-71/72)
TELE-COMMUNICATIONS (142)		
7630	7631	7632
	Electronics/1 (62-55-50) (sem) Mobile Electronics/1 (62-55-80) (sem)	
ENERGY & POWER (143)		
7620	7621	7622
Powerline Systems (69-85-53) (sem)		

ENGINEERING AND ARCHITECTURE (EAA)

INTRODUCTORY	CONCENTRATOR	CAPSTONE
ARCHITECTURAL DESIGN (150)		
7700	7710	7711
CAD Architect Comm (64-25-70) (MP 999) (sem) Drafting, Architectural 1 AB (61-53-21/22) (MP 999) MIDDLE SCHOOL Drafting AB MS (61-52-21/22) (MP 999) Exploratory Engineer & Arch MS (61-53-05/06) (MP 999)	Civil Engineer/Architecture AB (69-28-03/04) PLTW a-g (G) Engineering Dynamics AB (69-27-05/06) a-g (G) Drafting, Architectural 2 AB (61-53-23/24) Drafting, Technical 1 AB (61-52-09/10) Drafting, Technical 2 AB (61-52-25/26)	Architectural Design AB (64-25-93/94) a-g (F) Architect Design 2 AB (64-25-95/96) a-g (G) Drafting, Architectural 3 AB (61-53-25/26) Drafting, Technical 3 AB (61-52-27/28)

ENGINEERING DESIGN (152)		
7700	7730	7731
Working Draw & Design (62-10-11/12) a-g (G) (MP 999) MIDDLE SCHOOL APP Creators MS (61-53-09) PLTW (MP 999) Auto & Robotics MS (69-26-03) PLTW (MP 999) Comp Sci Innovators and Mkrs MS (61-51-01) PLTW (MP 999) CTE Energy & Environment MS (61-51-03) PLTW (MP 999) Design & Modeling MS (62-10-09) PLTW (MP 999) Green Architecture MS (61-51-05) PLTW (MP 999) Intro Sci Tech & Eng Sys MS (61-51-09) PLTW (MP 999) Medical Detectives MS (61-52-23) PLTW (MP 999) Science of Technology MS (61-51-07) PLTW	H Intro Engineering Design AB (62-12-09H/10H) PLTW a-g (D) H Principles of Engineering AB (62-14-09H/10H) PLTW a-g (G) Intro to Design AB (62-11-09/10) PLTW a-g (F) Engineering Dev AB (69-27-13/14) a-g (G) H CTE Biomed Engineering AB (69-27-21/22) a-g (D) CAD Design 1 AB (61-54-19/20) CAD Mechanical (64-25-80) (sem)	Aerospace Engineering AB (69-29-21/22) PLTW a-g (G) Computer Integrated Mfg AB (69-30-21/22) PLTW a-g (G) H Engineering Design & Dev AB (62-13-09H/10H) PLTW a-g (D) Material Science Engineer AB (64-25-57/58) a-g (G) CAD Design 2 AB (61-54-21/22) Computer Aided Draft-CAD Tech (69-25-75) (sem)

ENGINEERING TECHNOLOGY (153)		
7700	7720	7721
Blueprint R'ing (61-52-19) (MP 999) Work Draw (64-25-60) (MP 999)	Digital Electronics AB (69-29-49/50) PLTW a-g (G)	Engine Research & Develop AB (62-14-13/14) PLTW a-g (D)

FASHION AND INTERIOR DESIGN (FID)

INTRODUCTORY	CONCENTRATOR	CAPSTONE
FASHION DESIGN & MERCHANDISING (160)		
7800	7810	7811
	Fashion Design & Construction 2 AB (64-56-23/24) a-g (G) Fashion/1 (64-55-50) Fashion/2 (64-55-60)	Fashion Design 3 AB (64-56-25/26) a-g (G) Fashion 4 AB (64-55-81/82) Fashion Design and Manufacture AB (64-56-19/20) Fashion Merchandising AB (64-56-21/22)

PERSONAL SERVICES (SUB-PATHWAY 162A: MAKEUP ARTISTRY)		
7800	7830	7831
	Esthetician 1 AB (68-45-81/82) Esthetician 2 AB (68-45-87/88)	Esthetician 3 AB (68-45-89/90)

PERSONAL SERVICES (SUB-PATHWAY 162C: COSMETOLOGY)		
7800	7837	7839
	Principles of Cosmetology AB (68-10-47/48) a-g (G) Cosmetology for ROP 1 AB (68-10-51/52)	Advanced Cosmetology AB (68-10-57/58) a-g (G) Cosmetology for ROP 2 AB (68-10-53/54) Cosmetology Specialist (68-45-95) (sem)

PERSONAL SERVICES (SUB-PATHWAY 162D: MANICURING)		
7800	7840	7841
	Manicuring 1 AB (68-10-91/92)	Manicuring 2 AB (68-10-93/94)

HEALTH SCIENCE AND MEDICAL TECHNOLOGY (HSMT)

INTRODUCTORY	CONCENTRATOR	CAPSTONE
BIOTECHNOLOGY (196)		
7910	7911	7912
Found of Biotechnology AB (66-50-51/52) a-g (G) MIDDLE SCHOOL Exploring Biotechnology AB MS (66-50-43/44) (MP 999)	H CTE Biomedical Science AB (66-50-57H/58H) a-g (D) PLTW H CTE Human Body Systems AB (66-46-21H/22H) a-g (D) PLTW Clinical Medical Science AB (66-50-53/54) a-g (G)	H CTE Biomedical Innovation AB (66-50-59H/60H) a-g (G) PLTW H CTE Medical Interventions AB (66-46-11H/12H) a-g (D) PLTW Cell Cycle: Inves & Clinic Trials AB (66-50-55/56) a-g (G) CTE Sci & Ethics of Biotechnology AB* (66-50-63/64) a-g (G)

PATIENT CARE (198)		
7920	7921	7922
Dietary Aide (66-55-50) (sem) MIDDLE SCHOOL Intro to Healthcare Careers AB MS (65-45-29/30) (MP 999)	CTE Ophthalmic Assistant I AB (66-45-75/76) a-g (G) Health Sci Emergency Medicine AB (65-50-55/56) a-g (G) Medical Terminology AB (67-50-85/86) a-g (G) Nutritional Aide AB (65-55-55/56) a-g (G) Sports Medicine AB (66-45-59/60) a-g (G) Exp Health Career 1 (65-45-21) Exp Health Career 2 (65-45-22) Anatomy & Physiology AB (TBD) Pharmacy Clerk AB (TBD) Health Care Careers AB (TBD)	Athletic Training AB (66-45-63/64) a-g (G) CTE Medical Core I AB (67-50-87/88) a-g (G) Health & Fit Management AB (66-45-51/52) a-g (G) CTE Kinesiology & Care/Prevent AB (66-45-65/66) a-g (G) Emergency Medical Technician AB (67-50-51/52) Health Careers Senior Sem. (65-45-23) (sem) Hospital Occupations AB (66-45-71/72) Nurse Asst: Long Term Care AB (67-50-77/78) Physical Therapy AB (66-45-53/54) Sports Therapeutic AB (66-45-61/62) Advanced Health Care Careers AB (TBD) Pharmacy Technician AB* (TBD)

HEALTH SCIENCE AND MEDICAL TECHNOLOGY (HSMT)

INTRODUCTORY	CONCENTRATOR	CAPSTONE
MENTAL & BEHAVIORAL HEALTH (195)		
7960	7961	7962
	CTE Soc Wk & Hlth Adv Act AB (66-51-01/02) a-g (G)	Developing Future Mental & Behavioral Health Professionals AB (TBD)
PUBLIC & COMMUNITY HEALTH (199)		
7950	7951	7952
First Responder/EMR (66-35-70) (sem)	Public & Community Health AB (65-45-31/32) a-g (G)	
HEALTHCARE ADMINISTRATIVE (250)		
7930	7931	7932
	Hlth Info Tech/1 Termin (66-15-50) Hlth Info Tech/2 Rec & File (66-15-60)	Health Info Tech/3 Ins & Billing (66-15-70) (sem) Health Info Tech/4 Diag Coding (66-15-80) (sem) Health Info Tech/5 Amb Coding (66-15-90) (sem)

HOSPITALITY, TOURISM AND RECREATION (HTR)

INTRODUCTORY	CONCENTRATOR	CAPSTONE
FOOD SCIENCE, DIETETICS, & NUTRITION (200)		
8000	8010	8011
	CTE Nutrition & Food Science AB (67-15-33/34) a-g (G)	Food Science, Tech & Mod Pant AB (67-15-07/08) a-g (G)

FOOD SERVICE AND HOSPITALITY (201)		
8000	8020	8021
MIDDLE SCHOOL Adv Cul & Cons Sci AB MS (67-15-57/58) (MP 999) Cater MS (67-15-05) (MP 999) Foods MS (67-15-01) (MP 999)	Culinary Principles AB (67-15-09/10) a-g (G) Found of Foods & Nutrition AB (67-15-41/42) a-g (G) International Foods AB (67-15-21/22) a-g (G)	Culinary Management AB (67-15-43/44) a-g (G) Culinary Nutrition AB (67-15-85/86) a-g (G) CTE Food Service Hospitality AB (67-13-23/24) a-g (G) Professional Baking AB (67-15-31/32) a-g (G)
	Culinary Arts/1: Baking (67-15-50) Culinary Arts/2: Baking (67-15-55) Culinary Arts/3: Cake Deco (67-15-60) Culinary Arts/4: Adv Cake (67-15-65)	Culinary Arts/5: Int'l Foods (67-15-70) (sem) Culinary Arts/6: Catering AB (67-15-81/82)

HOSPITALITY, TOURISM AND RECREATION (202)		
8000	8030	8031
	Ecotourism AB (67-14-23/24) a-g (G)	CTE Mgmt of Hosp & Tourism AB* (67-14-15/16) a-g (G)
	Event Design and Mgmt AB (67-25-53/54) a-g (G)	Airport Management (67-25-70) (sem)
	Event Planning AB (67-25-51/52)	Hotel and Restaurant Management (67-25-60) (sem) Travel Specialist (67-25-80) (sem)

INFORMATION AND COMMUNICATION TECHNOLOGIES (ICT)

INTRODUCTORY	CONCENTRATOR	CAPSTONE
INFORMATION SUPPORT & SERVICES (170)		
8110	8111	8112
A+ Certification 1 AB (64-15-51/52) MIDDLE SCHOOL Internet Publishing 1 AB MS CTE (61-52-01/02) Info Application System AB MS (TBD) Available 2021-22	CTE-IT Essentials 1 AB (60-41-13/14) a-g (G) Intro to Cloud Computing CTE AB (60-41-21/22) a-g (G) A+ Certification 2 AB (64-15-61/62)	A+ Certification Application AB (64-15-73/74) a-g (G) A+ Certification 3 AB (64-15-71/72) Comp Tech: A+ Certification Upgrade (69-30-91/92)

NETWORKING (172)		
8120	8121	8122
Foundation of Coding (67-65-49) (sem)	CTE Cisco Intro to Networking AB (67-65-47/48) a-g (G) CTE Cyber Defense Fundament AB (67-65-67/68) a-g (G) Networking 1 AB (67-65-51/52)	CTE Computer Networking AB (67-65-37/38) a-g (G) CTE Cyber Security AB (67-65-65/66) a-g (G) Networking 2 AB (67-65-61/62)

SOFTWARE AND SYSTEMS DEVELOPMENT (Sub-Pathway 174a: Systems Programming)		
8130	8131	8132
Computer Programming 1 AB (60-41-01/02) MIDDLE SCHOOL CTE Exploring Coding MS (67-65-43) (MP 999) CTE Computer Sci Discoveries MS (60-40-13/14) CTE Found of Info Tech MS AB (60-40-01/02) Intro to Cyber Security MS (67-65-45/46) (MP 999) Robotics MS (69-26-05) (MP 999)	AP Computer Science Principles AB (61-53-19/20) a-g (D) Computer Science 1 AB (60-40-09/10) a-g (G) Computer Sci Principles AB – CTE (61-53-03/04) a-g (G) CTE Computer Sci Explore AB (69-66-17/18) a-g (G) Exploring Comp Science CTE AB (60-40-05/06) a-g (G) Generative Art & Design AB (60-42-05/06) a-g (F) Intro to Computer Programming AB (60-40-07/08) a-g (G) New Media 1 AB (61-55-01/02) a-g (G) Computer Programming 2 AB (60-41-03/04)	AP Computer Science A (61-53-27/28) a-g (C) App Development with Swift AB (61-53-11/12) a-g (G) Comp Program & Game Design AB (69-66-19/20) a-g (G) Computer Sci & Programming AB (60-40-11/12) a-g (G) Java Adv Data Structure & Bio Info AB (60-43-09/10) a-g (G) Robotics SH AB (69-26-07/08) a-g (G) Computer Programming 3 AB (60-41-05/06) New Media 2 AB (61-55-03/04) New Media 3 AB (61-55-05/06) App Development with Swift AB (61-53-11/12) a-g (G)

INFORMATION AND COMMUNICATION TECHNOLOGIES (ICT)

SOFTWARE AND SYSTEMS DEVELOPMENT (Sub-Pathway 174b: Web & Social Media Programming & Design)		
8133	8134	8135
	Internet Publishing 1 AB (61-52-03/04) Web Development & Production (60-41-09) (sem)	Internet Publishing 2 AB (61-52-05/06)

GAMES AND SIMULATIONS (175)		
8140	8141	8142
	Introduction to Coding (67-75-11/12) a-g (G)	Java Game Coding – CTE (67-75-19/20) a-g (G)
		Networking Game Programming AB (67-65-63/64)

MANUFACTURING AND PRODUCT DEVELOPMENT (MPD)

INTRODUCTORY	CONCENTRATOR	CAPSTONE
GRAPHIC PRODUCTION TECHNOLOGY (210)		
8200	8210	8211
Graphic Arts 1 AB (60-58-19/20) (MP 999) Graphic Communication Intro (60-55-80) (sem) (MP 999)	Graphic Communication AB (60-55-81/82) a-g (G) Graphic Arts 2 AB (60-58-21/22) Gr Communication Dig Pre-Press AB (60-55-87/88)	CTE Graph Communication Prod AB (60-55-93/94) a-g (G) Screen Print & Design AB (60-56-19/20) a-g (G) Graphic Arts 3 AB (60-58-23/24) Graphic Communication Presswork AB (60-55-91/92)

MACHINE AND FORMING TECHNOLOGY (212)		
8200	8220	8221
MIDDLE SCHOOL Manufacturing Makerspace AB MS (60-58-17/18) (MP 999)	Machine Technology 1 AB (67-85-45/46) a-g (G) CAD-Manufacturing AB CTE (60-58-13/14) Machinist 1 AB (67-85-51/52) Machinist Fundamentals AB (69-95-51/52) Robotics Applications CTE AB (67-84-03/04)	Manufacture and Prototyping AB (69-95-91/92) a-g (G) Machinist: CNC AB (69-95-71/72) Machinist 2 AB (67-85-61/62)

MARKETING, SALES AND SERVICE (MSS)

INTRODUCTORY	CONCENTRATOR	CAPSTONE
ENTREPRENEURSHIP (241)		
8300	8330	8331
MIDDLE SCHOOL Virtual Enterp – Jr Ventures MS (61-30-87/88) (MP 999) Technology App for Bus MS (61-30-21/22) (MP 999)	Bus Econ: Entrepreneurship AB (61-30-71/72) a-g (G) CTE Small Bus Mgmt/Owner AB (61-30-51/52) a-g (G) Empowering Fin Decision AB (61-30-75/76) a-g (G)	Virtual Enterprise AB (61-30-91/92) a-g (G)

PROFESSIONAL SALES (243)		
8300	8320	8321
Customer Service (68-35-50) (MP 999) (sem) Retail Merc Sales Clerk Int AB (61-90-61/62) (MP 999)	Retail Merchandise/1 (68-35-80) Retail Merchandise/2 (68-35-85) Retail Merc Sales Clerk AB (61-90-73/74)	Integrated Marketing Tech AB (61-90-71/72) a-g (G)

PUBLIC SERVICES (PS)

INTRODUCTORY	CONCENTRATOR	CAPSTONE
LEGAL PRACTICES (231)		
8430	8431	8432
	CTE H Forensic Sci Crim Invest AB* (68-85-63H/64H) a-g (G) CTE Intro to Law Legal Studies AB (68-75-29/30) a-g (G)	Youth Juvenile Justice AB (68-75-21/22) a-g (G) H Adv Investigation & Legal Prac AB (TBD)
	Legal Assistant: Terminology (61-70-96) (sem) Law/1: Principles AB (68-75-51/52) Law/2: Office Procedures (68-75-60) Law/3: Paralegal Trainee (68-75-70)	CTE Intro to Law Legal Studies AB (68-75-29/30) a-g (G)

PUBLIC SAFETY (232)		
8410	8411	8412
	Criminal Justice 1 CTE AB (68-85-51/52) a-g (G) First Responder (68-35-71) (sem) Police Science (68-85-80) (sem) Security Officer Trainee (68-85-70) (sem)	CTE Constitutional Law AB* (68-85-53/54) a-g (G) Crime Scene Specialist (68-85-90) (sem) Forensic Science AB (68-85-61/62)
	Careers in Law Enforcement AB (TBD)	Advanced Public Safety AB (TBD)

EMERGENCY RESPONSE (233)		
8420	8421	8422
	Fire Fighting Occupations AB (68-86-11/12) a-g (G) Fire Science AB (68-86-09/10) a-g (G)	Emergency Medical Responder* (68-86-13/14) a-g (G)

TRANSPORTATION (T)

INTRODUCTORY	CONCENTRATOR	CAPSTONE
STRUCTURAL REPAIR AND REFINISHING (220)		
8520	8521	8522
	Auto Body Repair/1: Non-Structural (69-80-51) (2yr) Auto Body Repair/2: Structural (69-80-53) (2yr)	Auto Body Repair/3: Mech & Elec (69-80-55) (2yr) Auto Body Repair/4: Paint & Refin (69-80-57) (2yr) Auto Body Repair/5: Estimation (69-80-59) (sem)

SYSTEMS DIAGNOSTICS, SERVICE & REPAIR (221)		
8530	8531	8532
Auto Engineering AB (69-90-87/88) a-g (G) Auto Mechanics 1 AB (69-79-29/30) Auto Tech: Engine Repair AB (69-90-43/44) Pre-Requisite for all except Technology 1 & 2	CTE Auto: Maint & Light Repair I AB* (69-91-01/02) a-g (G) CTE Auto Maint & Light Repair 2AB* (69-91-03/04) a-g (G) Auto Mechanics 2 AB (69-79-31/32) Auto Tech: E&E 1 AB (69-90-31/32) Auto Tech: Engine Perform 1 AB (69-90-39/40) Technology/1: Auto Syst (69-90-83) Technology/2: Auto Syst (69-90-85) Auto Tech: Auto Trans AB (69-90-21/22) Auto Tech: Drive Train AB (69-90-29/30) Auto Tech: Man Drive Train AB (69-90-47/48)	CTE Advanced Auto Technologies AB (69-90-19/20) a-g (G) CTE Auto Maint & Light Repair 3AB* (69-91-05/06) a-g (G) Auto Tech: Brakes AB (69-90-23/24) Auto Tech: E&E 2 AB (69-90-33/34) Auto Tech: Engine Perform 2 AB (69-90-41/42) Auto Tech: Heating/AC AB (69-90-45/46) Auto Mechanics 3 AB (69-79-33/34) Auto Tech: Suspension & Steering AB (69-90-91/92)

