

CTAE Curriculum Revision Phase II Summary & Coding Explanation

Program Concentration

Career Pathway

Courses (* indicates courses required for Pathway completion)

Coding

All course abbreviations are coded by Program Concentration and Course Title. Numbers will be assigned per SBOE approval.

Program Concentration: AGRICULTURE

Forestry/Natural Resources Career Pathway

Course Titles:

- *Basic Agricultural Science and Technology (AG – BAS)
- *Forest Science (AG-FS)
- *Wildlife Management (AG-WL)
- Natural Resources Management (AG-NR)

Plant Science/Horticulture Career Pathway

Course Titles:

- *Basic Agricultural Science and Technology (AG – BAS)
- *General Horticulture and Plant Science (AG-GH/PS)
- *Nursery and Landscape (AG-NL)
- Floriculture Production and Management (AG-FL)

Agriscience Pathway Phase I Related Advanced Course

Biotechnology (AG-BT)

Program Concentration: ARCHITECTURE, CONSTRUCTION, COMMUNICATIONS & TRANSPORTATION

Flight Operations Career Pathway

Course Titles:

- *Fundamentals of Aviation (ACT-FA)
- *Navigation and Communication (ACT-NC)
- *Aviation Meteorology (ACT-AM)
- Aeroscholars Aviation Ground School (ACT-AGS)

Aircraft Support Career Pathway

Course Titles:

- *Fundamentals of Aviation (ACT-FA)
- *Aviation Maintenance I (ACT-AMI)
- *Aviation Maintenance II (ACT-AMII)
- Aviation Maintenance III (ACT-AMIII)

Engineering, Drawing & Design Career Pathway

Course Titles:

- *Introduction to Engineering, Drawing and Design (ACT-IED)
- *Engineering Concepts and Drawings (ACT-ECD)
- *Architectural Drawing and Design I (ACT-ADDI)
- Architectural Drawing and Design II (ACT-ADDII)
- Solid Modeling and Design (ACT-SMD)

Construction Career Pathway

Course Titles:

****Four Courses Required for Pathway Completion***

- *Occupational Safety and Fundamentals (ACT-OSF)
- *Introduction to Construction (ACT-IC)

AND

- *Carpentry I (ACT-CI)
- *Carpentry II (ACT-CII)

OR

- *Electrical I (ACT-EI)
- *Electrical II (ACT-EII)

OR

- *Masonry I (ACT-MI)
- *Masonry II (ACT-MII)

OR

- *Plumbing I (ACT-PII)
- *Plumbing II (ACT-PII)

Program Concentration: BUSINESS & COMPUTER SCIENCE

Financial Management-Accounting Career Pathway

Course Titles:

- *Business Essentials (BCS-BE)
- *Principles of Accounting I (BCS-PAI)
- *Principles of Accounting II (BCS-PAII)

Financial Management-Services Career Pathway

Course Titles:

- *Business Essentials (BCS-BE)
- *Banking and Investing (BCS-BI)
- *Insurance and Risk Management (BCS-IRM)
- Financial Literacy (BCS-FL)

Interactive Media Career Pathway

Course Titles:

- *Computing in the Modern World (BCS-CMW)
- *Fundamentals of Web Design (BCS-FWD)
- *Advanced Web Design (BCS-AWD)
- Introduction to Animation and 3d Design (BCS-IAD)

Program Concentration: ENGINEERING & TECHNOLOGY

Energy Systems Career Pathway

Course Titles:

- *Foundations of Engineering and Technology (ENGR-FET)
- *Energy and Power Technology (ENGR-EP)
- *Appropriate and Alternative Energy Technologies (ENGR-AAE)
- Energy Systems Internship (ENGR-NI)

Electronics Career Pathway

Course Titles:

- *Foundations of Electronics (ENGR-FE)
- *Advanced AC and DC Circuits (ENGR-AE)
- *Digital Electronics (ENGR-DE)
- Electronics Internship (ENGR-LI)

Manufacturing Career Pathway

Course Titles:

- *Foundations of Manufacturing and Materials Science (ENGR-FMMS)
- *Robotics and Automated Systems (ENGR-RAS)
- *Production Enterprise (ENGR-PE)
- Manufacturing Internship (ENGR-MI)

Engineering Pathway Phase I Related Advanced Course

- Engineering Internship (ENGR-EI)

Program Concentration: EDUCATION

Early Childhood Education Career Pathway

Course Titles:

- *Introduction to Early Childhood Care and Education (EDU-IECE)
- *Human Growth & Development for Early Childhood (EDU-HGD)
- *Health, Safety & Nutrition for the Young Child (EDU-HSN)
- Early Childhood Education Internship (EDU-ECEI)

Teaching as a Profession Career Pathway

Course Titles:

- *Examining the Teaching Profession (EDU-ETP)
- *Contemporary Issues in Education (EDU-CIE)
- *Teaching as a Profession Internship (EDU-TPI)

Program Concentration: CULINARY ARTS

Culinary Arts Career Pathway

Course Titles:

- *Introduction to Culinary Arts (CA-ICA)
- *Culinary Arts I (CA-CAI)
- *Culinary Arts II (CA-CAII)

Program Concentration: FAMILY & CONSUMER SCIENCES

Nutrition and Food Science Career Pathway

Course Titles:

- *Food, Nutrition & Wellness (FCS-FNW)
- *Food & Nutrition Through the Lifespan (FCS-FNL)
- *Food Science (FCS-FS)

Program Concentration: HEALTHCARE SCIENCE

Therapeutic Services-Emergency Services Career Pathway

Course Titles:

- *Introduction to Healthcare Science (HS-IHS)
- *Emergency and Disaster Preparedness (HS-EDP)
- *Concepts of Emergency Medicine (HS-CEM)
- Emergency Medicine Internship (HS-EMI)

Therapeutic Services-Medical Services Career Pathway

Course Titles:

- *Introduction to Healthcare Science (HS-IHS)
- *Applications of Therapeutic Services (HS-ATS)
- *General Medicine (HS-TGM)
- Medical Services Internship (HS-TSMI)

Health Informatics Pathway

Course Titles:

- *Introduction to Healthcare Science (HS-IHS)
- *Medical Terminology in Healthcare Systems (HS-MTH)
- *Applications of Health Informatics (HS-AHI)
- Health Information Technology Internship (HS-INT)

Therapeutic Services – Nursing Phase I Related Advanced Course

Therapeutic Services Nursing Internship (HS-TSNI)

Program Concentration: MARKETING, SALES & SERVICES

Fashion Marketing Career Pathway

Course Titles:

- *Marketing Principles (MKT-MP)
- *Introduction to Fashion Marketing (MKT-FM)
- *Advanced Fashion Marketing (MKT-AFM)
- International Business and Marketing (MKT-IBM)
- Marketing Research (MKT-MR)

Marketing Communications & Promotion Career Pathway

Course Titles:

- *Marketing Principles (MKT-MP)
- *Professional Sales and Promotion (MKT-PSP)
- *E-Marketing (MKT-EM)
- International Business and Marketing (MKT-IBM)
- Marketing Research (MKT-MR)