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)