

## TEA Recommended Coherent Sequences for CTE Clusters

### **Agriculture, Food, & Natural Resources**

- 1-Principles of Agriculture, Food & Natural Resources
  - 2-Professional Standards in Agribusiness
    - 3-Agribusiness Management & Marketing
      - 4-Math Applications in AFNR
  - 2-Equine Science, Livestock Management, or Small Animal Management
    - 3-Advanced Animal Science
  - 2-Equine Science, Livestock Management, or Small Animal Management
    - 3-Veterinary Medical Applications
      - 4-Advanced Animal Science
      - 4-Practicum in AFNR
  - 2-Energy & Natural Resources Technology
    - 3-Advanced Environmental Technology
      - 4-Practicum in AFNR
  - 2-Food Technology & Safety
    - 3-Food Processing
      - 4-Practicum in AFNR
  - 2-Wildlife, Fisheries & Ecology Management
    - 3-Range Ecology & Management
    - 3-Forestry & Woodland Ecosystems
      - 4-Practicum in AFNR
  - 2-Agricultural Mechanics & Metal Technology
    - 3-Agricultural Power Systems
    - 3-Agricultural Facilities Design & Fabrication
      - 4-Practicum in AFNR
  - 2-Principles & Elements of Floral Design
    - 3-Landscape Design & Turf Management
    - 3-Horticulture Science
      - 4-Advanced Plant & Soil Science
      - 4-Practicum in AFNR

### **Architecture & Construction**

- 1-Principles of Architecture & Construction
  - 2-Interior Design
    - 3-Advanced Interior Design
      - 4-Practicum in Interior Design
  - 2-Architectural Design
    - 3-Advanced Architectural Design
      - 4-Practicum in Architectural Design
  - 2-Construction Management
    - 3-Advanced Construction Management
      - 4-Practicum in Construction Management
  - 2-Construction Technology
    - 3-Advanced Construction Technology or Mill & Cabinetmaking Technology
      - 4-Practicum in Construction Management
    - 3-Building Maintenance Technology
      - 4-Advanced Building Maintenance Technology
    - 3-Electrical Technology
      - 4-Advanced Electrical Technology
    - 3-HVAC & Refrigeration Technology
      - 4-Advanced HVAC & Refrigeration Technology
    - 3-Piping & Plumbing Technology
      - 4-Advanced Plumbing & Piping Technology

### **Arts, Audio/Video Technology, & Communications**

- 1-Principles of Arts, A/V Technology & Communications
  - 2-Audio Video Production
    - 3-Advanced Audio/Video Production
      - 4-Practicum in Audio Video Production
  - 2-Fashion Design
    - 3-Advanced Fashion Design
      - 4-Practicum in Fashion Design
  - 2-Printing & Imaging Technology
    - 3-Advanced Printing & Imaging Technology
      - 4-Practicum in Printing & Imaging Technology
  - 2-Graphic Design & Illustration
    - 3-Animation
      - 4-Advanced Animation
        - 5-Practicum in Audio Video Production
        - 5-Practicum in Graphic Design & Illustration
    - 3-Advanced Graphic Design & Illustration
      - 4-Practicum in Graphic Design & Illustration
    - 3-Commercial Photography
      - 4-Advanced Commercial Photography
        - 5-Practicum in Graphic Design & Illustration

## **Business Management & Administration**

- 1-Principles of Business, Marketing, & Finance
  - 2-Human Resource Management
    - 3-Virtual Business
      - 4-Business Management
        - 5-Practicum in Business Management
  - 3-Business Law
    - 4-Global Business
      - 5-Practicum in Business Management
- 2-Touch System Data Entry
  - 3-Business Information Management I
    - 4-Business Information Management II
      - 5-Practicum in Business Management

## **Education & Training**

- 1-Principles of Education & Training
  - 2-Human Growth & Development
    - 3-Instructional Practice in Education & Training
      - 4-Practicum in Education & Training

## **Finance**

- 1-Principles of Business, Marketing, & Finance
  - 2-Money Matters
  - 2-Banking & Financial Services
  - 2-Securities & Investments
  - 2-Insurance Operations
    - 3-Financial Analysis
      - 4-Statistics & Risk Management
- 2-Accounting I
  - 3-Accounting II
    - 4-Statistics & Risk Management
- 2-Accounting I
  - 3-Statistics & Risk Management

## **Government & Public Administration**

- 1-Principles of Government & Public Administration
  - 2-Public Management & Administration
    - 3-Foreign Service & Diplomacy
    - 3-National Security
    - 3-Revenue, Taxation, & Regulation
      - 4-Practicum in Local, State, & Federal Government
- 2-Political Science I
  - 3-Political Science II
    - 4-Practicum in Local, State, & Federal Government
- 2-Planning & Governance
  - 3-Political Science I
    - 4-Political Science II
      - 5-Practicum in Local, State, & Federal Government

## **Health Science**

- 1-Principles of Health Science
  - 2-Health Science
    - 3-Medical Terminology
    - 3-Anatomy and Physiology
    - 3-Medical Microbiology/Pathophysiology
      - 4-Practicum in Health Science
    - 3-Advanced Biotechnology
      - 4-World Health Research
    - 3-Scientific Research and Design (STEM cluster)
      - 4-Practicum in Health Science
    - 3-Lifetime Nutrition and Wellness (Human Services cluster)
      - 4-Practicum in Health Science
    - 3-Counseling and Mental Health (Human Services cluster)
      - 4-Practicum in Human Services

## **Hospitality & Tourism**

- 1-Principles of Hospitality & Tourism
  - 2-Restaurant Management
    - 3-Culinary Arts
      - 4-Practicum in Culinary Arts
  - 2-Travel & Tourism Management
  - 2-Hotel Management
    - 3-Hospitality Services
      - 4-Practicum in Hospitality Services

\*Food Science may be added to any sequence.

## **Human Services**

- 1-Principles of Human Services
  - 2-Dollars & Sense
  - 2-Family & Community Services
    - 3-Practicum in Human Services
  - 2-Interpersonal Studies
    - 3-Counseling & Mental Health
      - 4-Practicum in Human Services
  - 2-Child Development
    - 3-Child Guidance
      - 4-Practicum in Human Services
  - 2-Introduction to Cosmetology
    - 3-Cosmetology I
      - 4-Cosmetology II

\*Lifetime Nutrition & Wellness may be added to any sequence

## **Information Technology**

- 1-Principles of Information Technology
- 2-Computer Maintenance
  - 3-Telecommunications & Networking
  - 4-Computer Technician
- 2-Computer Programming
  - 3-Advanced Computer Programming
  - 4-Research in IT Solutions
- 2-Digital & Interactive Multimedia
  - 3-Web Technologies
  - 4-Research in IT Solutions

## **Law, Public Safety, Corrections & Security**

- 1-Principles of Law, Public Safety, Corrections, & Security
- 2-Law Enforcement I
  - 3-Forensic Science
  - 3-Correctional Services
  - 3-Court Systems & Practices
  - 3-Security Services
  - 4-Practicum in Law, Public Safety, Corrections, & Security
- 2-Firefighter I
  - 3-Firefighter II
  - 4-Practicum in Law, Public Safety, Corrections, & Security

## **Manufacturing**

- 1-Principles of Manufacturing
- 2-Flexible Manufacturing
  - 3-Advanced Flexible Manufacturing
  - 4-Practicum in Manufacturing
- 2-Welding
  - 3-Advanced Welding
  - 4-Practicum in Manufacturing
- 2-Precision Metal Manufacturing
  - 3-Advanced Precision Metal Manufacturing
  - 4-Practicum in Manufacturing
- 2-Manufacturing Engineering
  - 3-Practicum in Manufacturing

## **Marketing**

- 1-Principles of Business, Marketing, & Finance
- 2-Retailing & E-tailing
- 2-Sports & Entertainment Marketing
- 2-Entrepreneurship
- 2-Advertising & Sales Promotion
- 2-Fashion Marketing
  - 3-Marketing Dynamics
  - 4-Practicum in Marketing Dynamics

## **STEM**

- 1-Concepts of Engineering & Technology
- 2-Biotechnology
  - 3-Advanced Biotechnology
  - 4-Scientific Research & Design
- 2-Electronics
  - 3-Advanced Electronics
  - 4-Practicum in STEM
- 2-Robotics & Automation
  - 3-Principles of Technology
  - 4-Engineering Mathematics
- 2-Engineering Design & Presentation
  - 3-Advanced Engineering Design & Presentation
  - 4-Engineering Design & Problem Solving

## **Transportation, Distribution, & Logistics**

- 1-Principles of Transportation, Distribution, & Logistics
- 2-Energy, Power, & Transportation Systems
  - 3-Aircraft Technology
    - 4-Advanced Aircraft Technology
  - 3-Automotive Technology
    - 4-Advanced Automotive Technology
  - 3-Collision Repair & Refinishing
    - 4-Advanced Collision Repair & Refinishing
  - 3-Transportation Systems Management
    - 4-Practicum in Transportation, Distribution, & Logistics
  - 3-Logistics, Planning, & Management Systems
    - 4-Practicum in Transportation, Distribution, & Logistics
  - 3-Small Engine Technology
    - 4-Advanced Small Engine Technology
    - 5-Practicum in Transportation, Distribution, & Logistics