

Curriculum: The Micro & Macro

OTED 787 / 887: Career & Technical Education Curriculum

A Tale of Two Courses

- OTED 785/885: Curriculum Development in Occupational Education & Training
 - Prepares professionals to design & develop curriculum for occupational education and training.
- OTED 787/887: Career & Technical Education Curriculum
 - Learn the various curriculum options under the auspices of career and technical education.
 - From an administrative standpoint, learn the mission & goals of the various subject areas & plan to direct such efforts.

Instructional Systems Design Model (ISD)

- Analysis
- Design
- Development
- Implementation
- Evaluation



DACUM Process

- Develop A Curriculum
- Three main steps:
 - Needs assessment to determine if instruction is needed &, if so, in what area.
 - A focus group of experts creates a task list for the needed area.
 - Curriculum developer(s) create & validate material.

CTE Areas (ACTE Divisions)

- Administration
- Adult Workforce Development
- Agricultural Education/NAAE
- Business Education
- Family and Consumer Sciences Education
- Guidance and Career Development
- Health Science Technology Education
- Marketing Education
- New and Related Services
- Special Needs
- Technology Education
- Trade and Industrial Education

Administration

- "...to inform members on current developments, plans, policies, and issues of the ACTE..."
- "...promote high professional standards..."
- "...expand professional relations..."

Adult Workforce Development

- Serves training & employment professionals.
- "...educators, teachers, counselors, administrators, placement officers, economic developers, adult basic education instructors, sex equity coordinators and literacy instructors."

Agricultural Education/NAAE

- 11 cooperating organizations including the National Association of Agricultural Educators (NAAE)
- Agriculture teachers, state agricultural education leaders, & university educators.
- National FFA Organization
<http://www.ffa.org/>



Business Education

- Business teachers, state education leaders, & university educators.
- Future Business Leaders of America-Phi Beta Lambda
- <http://www.fbila.org/>
- communications
- information systems/technology
- financial procedures
- economics
- entrepreneurship
- international business
- principles of management and law
- interpersonal and leadership skills
- career development



Family & Consumer Sciences Education

- Affiliates for the FACS Education Division:
 - NATFACS - National Association Teachers of Family and Consumer Sciences
 - NATEFACS - National Association Teacher Educators of Family and Consumer Sciences
 - NASAFACS - National Association State Administrators of Family and Consumer Sciences

Guidance & Career Development

- "...provides leadership and advocacy for school counselors and guidance professionals."

Health Science Technology Education

- "...instructors, administrators, applied academics instructors, local and state supervisors, teacher educators..."
- Health Occupations Students of America
<http://www.hosa.org>



Marketing Education

- “...dedicated to educating students in Marketing Management, Entrepreneurship, Sports & Entertainment Marketing, Public Relations Marketing, International Marketing, E-Commerce, and Fashion Merchandising.”
- Distributive Education Clubs of America/Delta Epsilon Chi
<http://www.deca.org>



New & Related Services

- “...individuals from emerging areas...” & “...provide specialized support...” for CTE
- Affiliate organizations:
 - AIM - Association for Instructional Materials
 - APDCTE - Association for Professional Development in Career and Technical Education
 - CBITS - Customized Business and Industry Training Services
 - IVETA - International Vocational Education and Training Association
 - NATPL – National Association for Tech Prep Leaders

Special Needs

- “...professionals working with individuals who have special learning needs.”
Including:
 - Limited English proficiency
 - Incarceration
 - Long-term under-employment &/or unemployment
 - teenage pregnancy and parenthood
 - dropouts or dropout risks

Technology Education

- Focus on technological literacy with content in “construction, communication, manufacturing, power and energy, transportation, & pre-engineering.”
- Secondary teachers, administrators, & teacher educators.
- Technology Student Association
<http://www.tsaweb.org/>



Trade & Industrial Education

- "...a variety of trades, including carpentry, masonry, electrical and construction management; automotive technology; heating, ventilation and air conditioning systems; computer-aided drafting and manufacturing; and cosmetology."
- Affiliate organizations:
 - ASTS - Association for Skilled and Technical Sciences
 - AATII - American Association for Trade and Industrial Instructors
 - NAITTE - National Association for Industrial and Technical Teacher Educators
 - SkillsUSA: <http://www.skillsusa.org/>



Trends at The Macro Level

- Dual Enrollment & Articulation
- Special Populations
- Career Clusters & Pathways
- Career Academies

Rigor

- Rigorous programs
- Ties to academics
- Business & industry credentials/certifications
- All aspects of industry

Accountability

- Elementary & Secondary Education Act (ESEA) / No Child Left Behind (NCLB) academic tests.
- Graduation rates.
- Job placement, military, or post-secondary education rates.
- Scientifically based research.