Administration

Factors Considered in the Development of Curricular Content in Engineering Technology for Diverse Audiences

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Need: Process industry supply chains which handle products such as food and foodstuffs have unique challenges in the management of large-scale raw materials. Engineering Technology solutions offer potential strategies for addressing uncertainties, adding value, and managing risks of raw material products. Yet, preparation of the existing and future technical workforce remains a largely unfilled need in both higher education and workplace training arenas. This presentation will discuss the factors considered in the development of core learning competencies and delivery options for curriculum in process supply chains for community college, university, and non-traditional and adult students.

Overview: This presentation will discuss the curricular needs for food and foodstuff supply chain professionals and the role of engineering technology curricula in preparing technical professionals to meet these needs. Factors used in determining content and delivery options for students at three levels will be discussed. Implications for the discipline of engineering technology will also be shared.

Major points:
- Characterization of process-based supply chains
- Role of engineering technology in process-based supply chains
- Description of process used to define core learning competencies for three levels of students
- Implications for the field of engineering technology

Summary: The audience will learn about the curricular needs of process-based supply chain professionals and how engineering technology is poised to meet these needs. The development of core learning competencies and delivery options will also be shared.