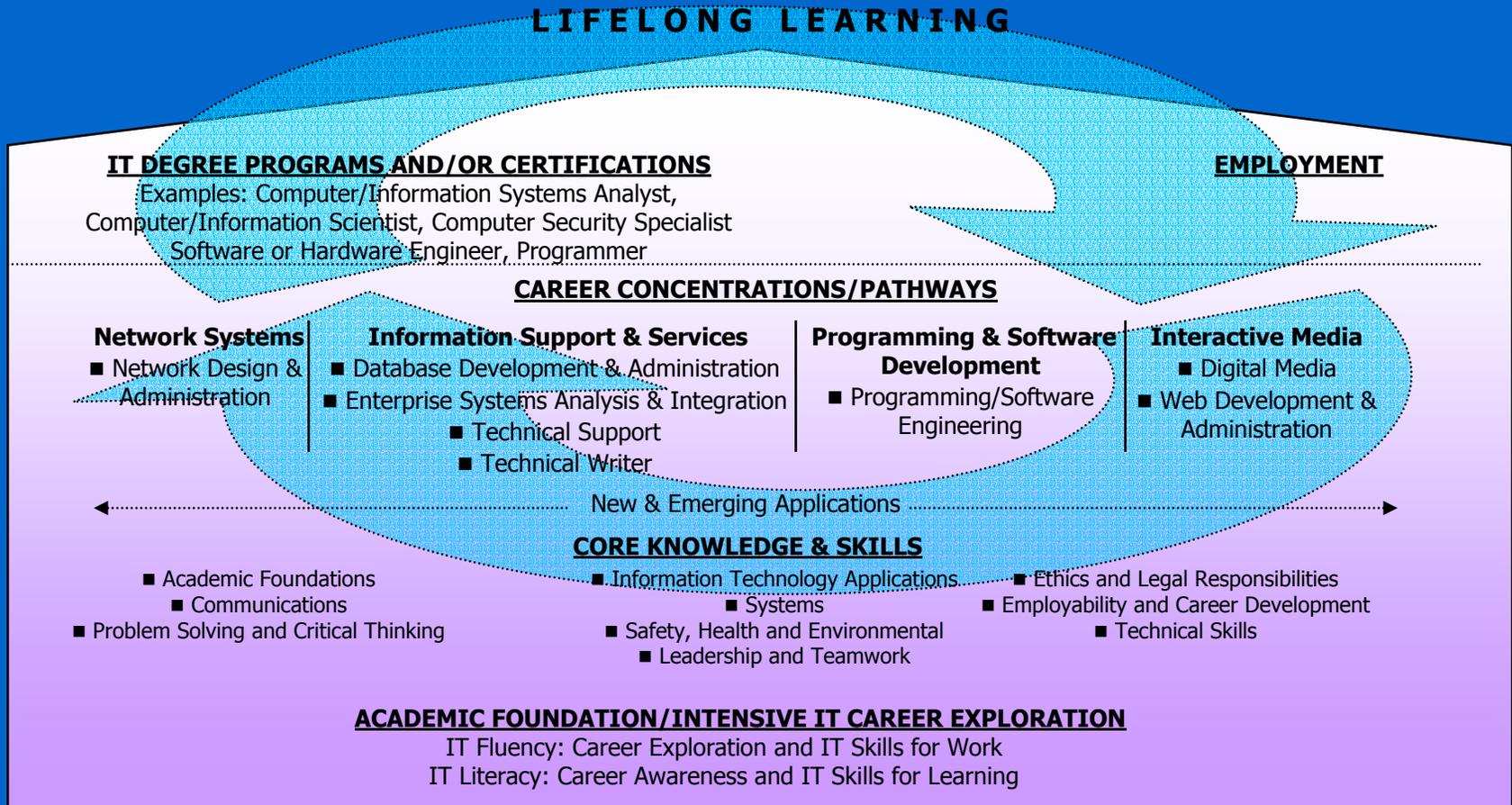


- IT careers involve the design, development, support and management of hardware, software, multimedia, and systems integration services. In addition to career opportunities in the IT industry, IT careers are available in every sector of the economy, from Financial Services to Medical Services, Business to Engineering and Environmental Services.

The IT Career Development Model

Grades K-Adult

Work Based Experience



- SOURCES**
- IT Pathway Pipeline Model
 - NWCET Skill Standards for Information Technology
 - The Ohio Information Technology Competency Profile

The IT Career Development Model Narrative

Definition of IT Careers

IT careers involve the design, development, support and management of hardware, software, multimedia, and systems integration services. In addition to career opportunities in the IT industry, IT careers are available in every sector of the economy; from Financial Services to Medical Services, Business to Engineering and Environmental Services.

Model Overview

- This model covers IT development and learning with a focus on IT Career/Further Education preparation programs and presents an authentic blueprint of IT Career Development for use by teachers, administrators, business partners, students, parents and life-long learners.
- The model acknowledges an academic foundation and extensive career exploration:
 - IT Literacy¹: Career awareness and IT skills for learning.
 - IT Fluency²: Career exploration and transition from IT skills for learning to IT skills for working.
- The Core Knowledge and Skills³ are the industry-wide skills that are learned and applied throughout the Pathways.
- The Career Concentrations are organized into four IT Career Pathways⁴ focused on cross-cutting skills found in related IT occupations. Each pathway contains one or more Specializations⁵ and prepares students and life-long learners for IT careers and/or further education in IT.
- The circular arrows at the top of the model signify that the Pathways, IT Degree Programs, Certifications, Employment, and Career Development/Lifelong Learning are ongoing.

¹IT Pathway Pipeline Model: Rethinking Information Technology Learning in Schools, Education Development Center, Inc. and Information Technology Association of America.

² ibid.

³ Core IT Competencies from The Ohio Information Technology Competency Profile.

⁴Cluster Concentrations/Pathways: The Ohio Information Technology Competency Profile.

⁵Cluster Specialty Areas: National Workforce Center for Emerging Technologies (NWCET) Skill Standards for Information Technology.