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AOTA Approved Provider #4023

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**Course Title:** Assistive Technologies 105

**Course Subtitle:** Technologies that Aid Transportation

**Source:** Assistive Technologies: Principles and Practice, 4<sup>th</sup> ed, by Albert Cook, PhD, PE and Janice Miller Polgar PhD, OT

**Source Description:** It's here: the latest edition of the one text you need to master assistive strategies, make confident clinical decisions, and help improve the quality of life for people with disabilities. Based on the Human Activity Assistive Technology (HAAT) model, Assistive Technologies: Principles and Practice, 4th Edition provides detailed coverage of the broad range of devices, services, and practices that comprise assistive technology, and focuses on the relationship between the human user and the assisted activity within specific contexts. Updated and expanded, this new edition features coverage of new ethical issues, more explicit applications of the HAAT model, and a variety of global issues highlighting technology applications and service delivery in developing countries.

View outline of content below for inclusive content and details regarding the Assistive Technologies 105 course.

**Target Audience:** OT/OTA and other healthcare professionals

**Course Length:** 2 hours

**Course Author/Instructor:** Albert Cook, PhD, PE and Janice Miller Polgar PhD, OT /Brown, MS, OTR/L

**Educational Level:** Introductory, Intermediate, Advanced

The course is written at the intermediate level, but learners of all levels will benefit from the information.

**Course Objectives:**

At the end of the course, participants will be able to:

- Describe the correct use of child restraint systems for passenger safety
- Describe the correct use of child restraint systems designed for children with special needs
- Understand the basic features of standards for crashworthiness of wheelchairs and seating systems
- Understand the use and basic features of standards for wheelchair tie-downs and occupant restraint systems

- Identify the major components of driver evaluation
- Discuss major design features to consider when making a vehicle purchase
- Discuss vehicle access issues for individuals with disabilities
- Describe vehicle modifications to promote access for individuals with disabilities
- Describe primary and secondary driving controls

### **Outline of Content:**

#### **Hour #1**

Activity

Human

Context

Physical Context

Social Context

Institutional Context

Assistive Technology

Occupant Protection

Location in the Motor Vehicle

Vehicle Restraint Systems for Children with Disabilities

Safe Transportation of Individuals in Wheelchairs

Crashworthiness of Wheelchairs and Seating Systems

#### **Hour #2**

Wheelchair Tie-Down and Occupant Restraint Systems

Technologies for Transportation and Driving

Vehicle Access

Modifications for Driving

Assessment

Assessment for Driving

Outcome Evaluation

Driver Training or Retraining

Secondary Outcomes

Summary

### **Course Completion Requirements:**

A minimum passing score of 100% is required for course completion. You will have as many attempts as needed until your passing score of 100% is achieved. Upon successful completion of the course, you will receive your certificate of completion and AOTA eligible CEUs.

### **AOTA Classification Codes:**

Category 1: Domain of OT

Category 2: Occupational Therapy Process

Category 3: Professional Issues

### **Additional Policies:**

OnlineCE Policies are available by clicking on the tab – Policies – located in the left-hand navigation bar.

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