The Fundamentals Course provides interested individuals with an overview of numerous areas of assistive technology. It also is designed to broaden the knowledge of AT providers. Throughout this course, multiple case studies will be used to illustrate applications of principles and theories in assistive technology provision.

While this course is designed to cover the basic areas of assistive technology service provision and aspects of this course may cover the general scope of the ATP Certification Exam, it is not a review course for the ATP Exam.

Learning Outcomes

- Participants will be able to define and describe common pathologies of the following diagnoses: cerebral palsy, traumatic brain injury, CVA, SCI, spina bifida, MS, ALS and muscle diseases.
- Participants will be able to list components of an assistive technology assessment.
- Participants will be able to write an outcome measurement.
- Participants will be able to identify key legislation pertinent to people with disabilities.
- Participants will be able to list common pelvic asymmetries identified in a seating assessment.
- Participants will be able to identify the following components of the HAAT model: processor, input device, output and packaging.
- Participants will be able to list accessibility factors to be considered as a part of a mobility assessment.
- Participants will be able to identify vocabulary strategies used in augmentative and alternative communication.
- Participants will be able to list alternative means of computer keyboard and mouse control.
- Participants will be able to define and categorize EADLs.
- Participants will be able to identify assistive technology interventions used for people with hearing and visual impairments.

Who Should Attend?

Rehabilitation and education professionals working with Assistive Technology including Suppliers, Technologists, Physical Therapists, Occupational Therapists, Speech Language Pathologists, Rehabilitation Engineers, Educators and others interested in assistive technology.

Cost:		
	RESNA member	$345
	Nonmember	$460
	Student	$315

RESNA has been approved as an Authorized Provider by the International Association for Continuing Education and Training (IACET), 1760 Old Meadow Road, Suite 500, McLean, VA 22101; (703) 506-3275.
RESNA is authorized by IACET to offer 1.4 CEUs for this program.

Day One

7:30 - 8:00	Registration
8:00 - 8:15	Introduction/Overview
8:15 - 9:15	**Application of Clinical Fundamentals** – Learn about terminology, principles, and application of clinical issues as they relate to assistive technology
9:15 - 9:30	Break
9:30 - 10:30	**Application of Clinical Fundamentals** (continued)
10:30 - 10:45	Break
10:45 - 11:45	**Application of Clinical Fundamentals** (continued)
11:45 -1:00	Lunch on your own
1:00 - 2:30	**Assistive Technology Provision: Assessment** – Develop an understanding of the general assessment process and principles. Goal writing and related measures of functional performance will be discussed.
2:30 - 2:45	Break
2:45 - 4:15	**Issues in Service Delivery** – Discuss RESNA's Code of Ethics and Standards of Practice, service delivery systems, legislation, funding, product development, principles of design, liability issues, information sources and consumer empowerment.
4:15 - 4:30	**Questions and Discussion**

Day Two

Each of the following modules will present goals or implementation, terminology and technical principles as related to each specific assistive technology.

8:00 - 9:00	**Features of Seating and Positioning Technologies**
9:00 - 9:15	Break
9:15 - 10:15	**Assistive Technology Provision: Accessing the Technology** – Learn how technology features, products and theories apply to selecting, recommending and applying technology interventions. Access evaluation methods, devices and strategies will be discussed.
10:15 - 10:30	Break
10:30 - 11:30	**Features of Mobility Technologies**
11:30 - 12:30	Lunch on your own
12:30 - 1:30	**Features of Augmentative Communication Technologies**
1:30 - 1:45	Break
1:45 - 2:45	**Features of Computer Access Technologies**
2:45 - 3:00	Break
3:00 - 4:00	**Features of Electronic Aids to Daily Living Technologies**
4:00 - 5:00	Features of Sensory Technologies

A brief comprehension quiz will be given after each module.

To register online or download a registration form, go to:
https://members.resna.org/webapps/meetingList.htm

Faculty

Michelle L. Lange, OTR, ABDA, ATP/SMS

If you need accessibility or any type of reasonable accommodation to participate in this program, please contact Dawn Paulson and let her know what specific type of accommodation is needed. Dawn can be reached at (703) 524-6686 ext. 315 or via email at dpaulson@resna.org.

For questions about registration or for more information about this program, contact Dawn Paulson dpaulson@resna.org or (703) 524-6686 ext. 315.

The Fundamentals Course has been developed through RESNA and is being offered by RESNA, the Rehabilitation Engineering and Assistive Technology Society of North America, 1700 North Moore Street, Suite 1540, Arlington, VA 22209; (703) 524-6686.

Michelle L. Lange, OTR, ABDA, ATP/SMS
Occupational Therapist

Michelle L. Lange, OTR, ABDA, ATP/SMS is an Occupational Therapist in private practice at Access to Independence, Inc. Formerly, she was Clinical Director at The Assistive Technology Clinics of The Children's Hospital of Denver. She works with a multi-disciplinary team to evaluate all ages in seating, mobility, computer access, augmentative communication, electronic aids to daily living and interfacing. She is a prolific author and speaks nationally on Assistive Technology. She is also the editor of the American Occupational Therapy Association Technology Special Interest Group newsletter. Ms. Lange is a Senior Disability Analyst and Diplomat with the American Board of Disability Analysts.