**Tuition**
- Tuition is assessed per credit and University technology and library fees are assessed each semester. For current fees, visit Jefferson.edu/tuition.
- Employers may have funds budgeted to pay for tuition either through tuition reimbursement programs or continuing education funds.
- Jefferson alumni receive a 25% tuition discount.
- Advanced education grants available to support tuition.

**Professional Development Units**
Professional Development Units (PDU) for these courses are available through your professional organization.

**For more information:**
Jefferson.edu/OTCertificates

**Email:** OTD-apc@jefferson.edu
or call 215-503-8010

**Course Instructors**
Roseann C. Schaaf, PhD, OTR/L, FAOTA, PhD in Neuroscience/expert in autism and sensory integration
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**Occupational Therapy Doctoral Program**
Susan Toth-Cohen, PhD, OTR/L
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**Advanced Practice Certificate**

**Neuroscience: Advanced Concepts for Evidence-Based Practice**

*Offered by the Department of Occupational Therapy*
Advanced Practice Certificate

Neuroscience: Advanced Concepts for Evidence-Based Practice

• Update knowledge in neuroscience
• Understand and use neuroscience evidence
• Measure outcomes
• Advance your skills in assessment and data-based interventions

This specialty certificate is designed for therapists working in rehabilitation, acute care and educational settings who wish to advance their understanding and application of neuroscience and neuro-based interventions in the practice. Courses are taught by experts in the field.

Program Features:
• Four graduate level courses (a total of 12 credits).
• Courses are given in 8-week blocks (except Course 1 which is a 14-week block)
• Courses begin in September or January.
• The certificate can be completed in 12 months.
• Designed for busy professionals; all courses are 100% online

The Jefferson Difference
Technology and information. Students use the latest distance learning tools including discussion boards, synchronous online presentations and online chat to participate in a community of learners. They have the opportunity to work with leaders in the field. They also have access to professional literature through the Scott Memorial Library and experts on topics such as motor learning, sensory integration and constrained induced movement therapy.

Curriculum
The curriculum consists of four graduate-level courses (a total of 12 graduate credits) that can be used toward a doctoral degree.

Course Descriptions

OT 778 Advanced Evidence-Based Practice (EBP) (3 credits—14 weeks)
• Generate relevant clinical questions derived from current evidence-based practice arena
• Learn to conduct in-depth literature reviews, critical analysis and synthesis of the best current evidence to facilitate and promote EBP
• Apply evidence to your practice setting
• Develop an action plan to promote EBP in your practice arena

OT 751 Foundations of Neuroscience (3 credits—8 weeks)
• Update your knowledge in neuroscience
• Participate in a virtual neuroscience laboratory that includes an overview of functional and structural neuroscience
• Apply this knowledge to your specialized area of practice
• Learn key concepts of neuroplasticity and their implications for your practice

OT 753 Advanced Concepts in Neuroscience I (3 credits—8 weeks)
• Study foundational neuroscience knowledge that guides practice
• Explore concepts such as motor learning, motor control, cognition, memory, learning and perception
• Learn to use assessment data for evidence-based interventions
• Apply new concepts to your practice through class activities

OT 754 Advanced Concepts in Neuroscience II (3 credits—8 weeks)
• Apply neuroscience principles to your specialized area of practice
• Learn strategies to identify, plan and document neuro-based strategies
• Apply data driven decision making process to practice
• Identify and measure outcomes to evaluate practice
• Apply these skills to practice through development of an in-depth case report for publication