Advanced Practice Certificate
Neuroscience: Advanced Concepts for Evidence-Based Practice
Offered by the Department of Occupational Therapy

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. Learn More at Jefferson.edu/AdvancedEdGrants.

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

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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 a variety of professional journals and other online resources through the Scott Memorial Library.

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

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**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
- 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