

***Northwestern University
Master of Science
in Education Program***

Advanced Teaching Certificate Programs

The Advanced Teaching Certificate Programs (ATCP) are designed to offer experienced teachers opportunities to deepen and extend their knowledge through dialogue and inquiry. Our curriculum invites teachers to examine their beliefs and experiences so as to develop their professional strengths and resources. Hallmarks of our approach include opportunities for shared reflection and inquiry using innovative technologies.

Each six-course sequence offers:

- graduate credit that may be used toward re-certification
- rigorous curriculum
- small classes
- convenient evening scheduling during the academic year
- a condensed six-week summer session
- portfolio products that may be used toward National Board Certification.

In addition, the option to apply the certificate credit toward a master's degree may be available to qualified applicants.

Three certificate programs are available:

- I. Issues of Teaching and Learning:** Choose a focus (literacy, mathematics or science teaching) and use creative technologies and shared inquiry to deepen and extend your professional practice. For teachers of grades K-12.
- II. Service Learning:** Learn more about how to develop and refine community service programs that provide students with opportunities for reflection and academic learning. For teachers of grades 7-12.
- III. Middle School Science Endorsement:** Deepen your developmental and pedagogical knowledge of the unique needs of middle school students while earning the middle school endorsement in science. For teachers of grades K-12 with an appropriate science background.

Visit our beautiful lakefront campus and learn more about our programs during one of our monthly information sessions!

Further information is available online at:

www.sesp.northwestern.edu/msed

Questions? Please call our program manager, Pat Rodriguez, at: 847.491.7526

The three ATCP offer the following courses to teachers*:

- I. Issues of Teaching and Learning**
 - *Design of Learning Environments*
 - *Teaching with Technology*
 - *Using Video to Study Teaching and Learning*
 - *Using Student Work to Study Teaching and Learning*
 - Two elective courses in the content area of choice or affiliation with ongoing faculty research projects
- II. Service Learning**
 - *Modern Theories of Service Learning*
 - *Pedagogy of Service Learning*
 - *Logistics of Service Learning*
 - *Using Student Work to Study Teaching and Learning*
 - Elective in Community Politics, Social Service, or Social Policy
 - Research Project: Service Learning
- III. Middle School Science Endorsement**
 - *Adolescent Development*
 - *Dynamics of Middle School Curriculum*
 - *Teaching Reading in the Content Area*
 - *Science Education*
 - *Using Video to Study Teaching and Learning*
 - *Using Student Work to Study Teaching and Learning*

* curriculum subject to modification