Attention teachers of physics, chemistry, physical science, & math!

For summer 2016, ASU offers a program of courses for your professional development.

These are ideal courses to meet re-certification requirements, qualify to teach Dual Enrollment/Adjunct two-year college (TYC), and become highly qualified (ESEA) in physics or chemistry. They can count towards the ASU interdisciplinary Master of Natural Science degree (MNS) in physics, & graduate degrees in education. CTE, TYC, and pre-service teachers find these courses useful, too.

* tuition scholarships: [https://graduate.asu.edu/faculty-graduate-credit-options](https://graduate.asu.edu/faculty-graduate-credit-options) (MCCCD faculty); [https://physics.asu.edu/content/partial-tuition-scholarship-mnsmodeling-instruction-courses](https://physics.asu.edu/content/partial-tuition-scholarship-mnsmodeling-instruction-courses)
* A limited number of spaces for continuing education units (CEUs) ($400; need not apply to ASU). [https://physics.asu.edu/content/modeling-instruction-application-reserve-seat-ceu](https://physics.asu.edu/content/modeling-instruction-application-reserve-seat-ceu)

Modeling Instruction is designated as an Exemplary K-12 science program & Promising Technology program by the U.S. Department of Education. It is rated an Accomplished STEM program by Change the Equation. It won the "Excellence in Physics Education" award of the American Physical Society.

**Modeling Workshops:** (3 credits. MTWTh 8am-3:30pm, 8am - noon on Fridays)
June 6 – 24:
**PHS 530/PHY 480**: Methods of Teaching Physics I: mechanics (J Hengesbach, instructor)
**PHS 594/PHY 494**: Electricity for Middle/Secondary Teachers (CASTLE MW: B Edelbrock, instr)
**CHM 594/CHM 480**: Modeling Instruction in HS Chemistry/Methods of Teaching Chemistry I (M Sweet, instructor. Held at Tempe Preparatory Academy)

July 5 - 15:
**PHS 594/CHM 594**: Thermodynamics Modeling Workshop (Levi Torrison, PhD. 8-3:30daily. 2 cr)

**June 27 - July 29 courses:**
**PHS 560/CHM 560**: Matter and Light (1:00-3:30pm MTWR. Robert Culbertson, instructor)
**PHS 556**: Astrophysics (4:00 – 6:30pm MTWR. Carl Covatto, instructor)
**PHS 598**: Leadership Workshop (Friday afternoons, June 10-July 22. J Archambault, Instr. 1 cr)

Visit [http://physics.asu.edu](http://physics.asu.edu), hover on "Admission", scroll down to MNS Admission or Modeling Instruction. For more information, visit [http://modeling.asu.edu](http://modeling.asu.edu) and follow the link to ASU Summer Graduate Program for Teachers of Physical Sciences. For help with tuition scholarships, CEUs, or family and individual housing, e-mail Jane.Jackson@asu.edu, 480-965-8438.

By May, apply to ASU as a nondegree graduate student for summer ($70). No transcripts needed.