

**Penn Science Teacher Institute (Penn STI)**  
University of Pennsylvania  
Department of Chemistry  
231 S. 34<sup>th</sup> Street  
Philadelphia PA 19103-6323



**The University of Pennsylvania**  
**Departments of Biology, Chemistry, Earth and Environmental Science,**  
**Mathematics and Physics and Astronomy**  
**in the School of Arts and Sciences**  
**And**  
**Graduate School of Education**  
**Announce**

**The Penn Science Teacher Institute**  
**(Penn STI)**

... degree programs for working professional middle and secondary level science educators

- **Master of Integrated Science Education Program (MISEP) for middle level teachers**
- **Master of Chemistry Education Program (MCEP) for secondary level teachers**
- Tuition scholarships<sup>1</sup> available to all participants in core partner school districts<sup>2</sup>
- Stipends<sup>1</sup> available to all participants in core partner school districts<sup>2</sup>
- Two specially designed ten-course programs of study
- Courses offered Saturdays and during the summer
- Each course integrates science and pedagogy
- Content, materials and pedagogy aligned with science standards
- Inclusion of forefront science research, real life applications and technology
- Resource Center supports Penn STI participants in their course work and their classrooms both during and after participation
- Administrator's Science Education Academy for a building administrator partnering with each Penn STI participant
- **Applications for Summer 2005 are now available. Application Deadline: March 1**

**For more information on the Penn STI programs see the website:**  
**URL: [www.sas.upenn.edu/PennSTI](http://www.sas.upenn.edu/PennSTI) (under construction)**

**For questions or an application:**

**Email: [PennSTI@sas.upenn.edu](mailto:PennSTI@sas.upenn.edu)**

**Phone: (215) 898-4894**

<sup>1</sup> To maintain the scholarship & stipend: remain in your cohort class, maintain a B average, earn no grade below C.

<sup>2</sup> See Core Partner Districts list included; to add your district to the list call the number above.

## Unique Features

- **Degree completion** accomplished with
  - Ten courses – 8 science content, 2 science education
  - Offered over three consecutive summers and on Saturdays during the two intervening academic years – the work is intense but stimulating!
- **The SAS Science Departments and Graduate School of Education** collaborating to provide within Penn STI MISEP and MCEP courses
  - Depth in science background and content
  - Content taught through the application of research based pedagogical models which are appropriate for transfer to middle and secondary level school classrooms
- **Science courses** uniquely developed for this program featuring
  - A unified approach to topics in all the sciences
  - Integration of forefront research and real life applications
  - Computer technology in the conduct of science research and the teaching and learning of science
- **Science education courses** uniquely developed for this program featuring
  - Participants engaging in research on their own curriculum development efforts
  - Participants implementing a curriculum planned to address the particular needs of their students and to meet their district/school standards
  - Development of leadership skills to enact catalytic activities in departments and schools
  - Building a local community of teachers to sustain high quality teaching and learning
- Access to the newly created ***Dreyfus Chemistry Education Resource Center*** and complementary **MISEP Resource Center** (housed in the Department of Chemistry) which provide
  - Reference and resource materials for supporting both course work and classrooms
  - Computers for course assignments and classroom materials development
  - Electronic resources and professional development programs for life-long learning
  - Grants for the purchase of materials and equipment for implementing classroom innovation
- **Establishing career-long mentoring relationships**
  - Among enrolled teachers and the Penn faculty
  - Aided by the excellent current communication technologies available at Penn
- **Courses offered**
  - On the Penn Campus (parking provided)
  - Taught by members of the standing faculty of the SAS Science Departments and Graduate School of Education
- **Small class size**
  - A cohort class of 20 teachers begins each summer
  - Classes limited to only MISEP and MCEP participants
- **Administrator's Science Ed Academy** providing your building administrator with
  - Act 48 credit, continuing grad ed credit and/or Certificate in Science Ed Leadership
  - 6 days of working with administrator colleagues on supervising and supporting excellence in science education within their building

## Anticipated Participant Costs

- Texts and supplies
- Transportation to and from Penn's campus (parking is provided)
- Expenses related to your having a good computer and high speed internet access in your own home
- If you are living on campus during summers, your own housing & living expenses

Please Post, Circulate or Copy for your colleagues!