



IGNITING IMAGINATION AND INNOVATION THROUGH LEARNING.

## Professional Development

- Overview
- Counselor Conferences
- Affiliates

## Affiliates

- Arkansas Tech University
- Duke University
- Eastern Michigan University
- Georgia Southern University
- Iowa State University
- Milwaukee School of Engineering
- Missouri University of Science & Tech.
- NHTI Concord's Community College
- NM State University
- Oklahoma State University
- Old Dominion University
- Oregon Institute of Technology
- Penn State Berks
- Purdue University
- RIT
- Rowan University
- San Diego State University
- Seattle University
- Sinclair Community College
- University of Colorado - Colorado Springs
- University of Illinois
- University of Kentucky
- UMBC - University of Maryland - Baltimore County
- University of Minnesota
- University of Nebraska - Lincoln
- University of New Haven
- University of Iowa
- University of South Carolina
- University of Tennessee - Chattanooga
- University of Texas at Tyler
- West Virginia University
- Wichita State University
- Worcester Polytechnic Institute

## University of South Carolina

For over two centuries, the University of South Carolina's scholarship, research, and outreach efforts have contributed



**COLLEGE OF ENGINEERING  
AND COMPUTING**  
UNIVERSITY OF SOUTH CAROLINA

to the greater good of society. Today the University serves the entire state and includes, in addition to the Columbia campus, two four-year campuses and five regional campuses offering primarily two-year programs. With 39,000 students on eight campuses and more than 350 degree programs -- including law, engineering, public health and medicine -- and 240,000 alumni, the University is improving the lives of individuals in South Carolina and around the world. South Carolina has received the highest research designation awarded by the Carnegie Foundation, and the University's undergraduate international business program is ranked best in the nation in U.S. News & World Report. The South Carolina Honors College is a part of the Columbia campus and is designed to offer the academically gifted undergraduate the finest advantages of a small college in the context of a large comprehensive university. A significant number of engineering and computing students are enrolled in the Honors College.

The College of Engineering and Computing at the University of South Carolina is a leading research institution in engineering education and economic development in the Southeast. The college is composed of five departments: chemical engineering, civil and environmental engineering, computer science and engineering, electrical engineering, and mechanical engineering. All of the engineering programs are ABET accredited. The college embraces the concept of combining an engineering education with the liberal arts to produce well-rounded graduates. The College of Engineering and Computing takes pride in shaping the new face of engineering and computing for the 21st century.

This is a face that transcends traditional boundaries and collaborates with the basic sciences, medicine and business. It is a face that embraces diversity and welcomes different points of view. It is a face that cares about the ethical and societal implications of our work. It is a face that is involved in the community and shapes its future. It is a face that focuses on individuals and their needs. The Swearingen Engineering Complex has more than 500,000 square feet of state-of-the-art technology, equipment, and laboratory space, making it one of the largest educational facilities in the Southeast.

*The University of South Carolina became a PLTW National Affiliate Training Center in 2003.*

"STI Registration is Currently Closed"

## PLTW Summer Training Institute

### Biotechnical Engineering (BE)

**Starts:** Jun 20, 2010

**Ends:** Jul 2, 2010

**Session:** 2

**Cost:** \$2,100.00

**Seats:** 7 (7 available!)

**Room And Board:** Registration Cost: \$2100 - Late Registration: (if after May 31, 2010) \$2,350 and are subject to availability. Housing Cost: On-Campus \$500 includes 12 night stay (Sunday afternoon check-in through Friday noon check-out of second week) Apartment style residence with linen pack, including 2 pillows, 1 blanket, and room card. Off-Campus Housing: Special discounted rates are available for teachers registering for the PLTW courses at the following hotels located in close proximity to

the USC College of Engineering Engineering and Computing: SpringHill Suites by Marriott & Courtyard by Marriott Columbia Downtown at USC. Off campus lodging arrangements must be made by the teacher. USC can not make off campus housing arrangements. Contact the SpringHill Suites by Marriott at (803) 978-2333 and request "USC PLTW Rate" Contact Courtyard by Marriott at (803) 799-7800 and request "USC PLTW Rate". Meal Cost: \$160 includes breakfast and lunch. \$115 includes lunch only. Meal Details: Carolina Meal Cards will be provided for participants selecting USC Meal Plans. Breakfast and lunch will be available at Carolina Fast Track and the Russell House. All dinner and weekend meals are the responsibility of the teacher. Cancellation Policy: After the reservation has been made through PLTW for a seat in a PLTW Core Training course the teacher, school, or school district representatives have a period of 10 business days to cancel the reservation. An invoice will be sent after the 10 day cancellation period to the billing contact specified on the teachers PLTW registration. The invoice must be paid in full after the cancellation period including course registration, housing, and meals as specified on the teacher registration through PLTW. If for some reason the teacher registered for the USC PLTW Core Training course is not able to attend the training, the reservation is transferable to another teacher by the school or school district within the course during the USC PLTW Core Training session. Fees paid on behalf of a participant who fails to attend the training will not be refunded.

### **Civil Engineering and Architecture (CEA)**

**Starts:** Jun 20, 2010

**Ends:** Jul 2, 2010

**Session:** 2

**Cost:** \$2,100.00

**Seats:** 7 (7 available!)

**Room And Board:** Registration Cost: \$2100 - Late Registration: (if after May 31, 2010) \$2,350 and are subject to availability. Housing Cost: On-Campus \$500 includes 12 night stay (Sunday afternoon check-in through Friday noon check-out of second week) Apartment style residence with linen pack, including 2 pillows, 1 blanket, and room card. Off-Campus Housing: Special discounted rates are available for teachers registering for the PLTW courses at the following hotels located in close proximity to the USC College of Engineering Engineering and Computing: SpringHill Suites by Marriott & Courtyard by Marriott Columbia Downtown at USC. Off campus lodging arrangements must be made by the teacher. USC can not make off campus housing arrangements. Contact the SpringHill Suites by Marriott at (803) 978-2333 and request "USC PLTW Rate" Contact Courtyard by Marriott at (803) 799-7800 and request "USC PLTW Rate". Meal Cost: \$160 includes breakfast and lunch. \$115 includes lunch only. Meal Details: Carolina Meal Cards will be provided for participants selecting USC Meal Plans. Breakfast and lunch will be available at Carolina Fast Track and the Russell House. All dinner and weekend meals are the responsibility of the teacher. Cancellation Policy: After the reservation has been made through PLTW for a seat in a PLTW Core Training course the teacher, school, or school district representatives have a period of 10 business days to cancel the reservation. An invoice will be sent after the 10 day cancellation period to the billing contact specified on the teachers PLTW registration. The invoice must be paid in full after the cancellation period including course registration, housing, and meals as specified on the teacher registration through PLTW. If for some reason the teacher registered for the USC PLTW Core Training course is not able to attend the training, the reservation is transferable to another teacher by the school or school district within the course during the USC PLTW Core Training session. Fees paid on behalf of a participant who fails to attend the training will not be refunded.

### **Computer Integrated Manufacturing (CIM)**

**Starts:** Jun 20, 2010

**Ends:** Jul 2, 2010

**Session:** 2

**Cost:** \$2,100.00

**Seats:** 7 (7 available!)

**Room And Board:** Registration Cost: \$2100 - Late Registration: (if after May 31, 2010) \$2,350 and are subject to availability. Housing Cost: On-Campus \$500 includes 12 night stay (Sunday afternoon check-in through Friday noon check-out of second week) Apartment style residence with linen pack, including 2 pillows, 1 blanket, and room card. Off-Campus Housing: Special discounted rates are available for teachers registering for the PLTW courses at the following hotels located in close proximity to the USC College of Engineering Engineering and Computing: SpringHill Suites by Marriott & Courtyard by Marriott Columbia Downtown at USC. Off campus lodging arrangements must be made by the teacher. USC can not make off campus housing

arrangements. Contact the SpringHill Suites by Marriott at (803) 978-2333 and request "USC PLTW Rate" Contact Courtyard by Marriott at (803) 799-7800 and request "USC PLTW Rate". Meal Cost: \$160 includes breakfast and lunch. \$115 includes lunch only. Meal Details: Carolina Meal Cards will be provided for participants selecting USC Meal Plans. Breakfast and lunch will be available at Carolina Fast Track and the Russell House. All dinner and weekend meals are the responsibility of the teacher. Cancellation Policy: After the reservation has been made through PLTW for a seat in a PLTW Core Training course the teacher, school, or school district representatives have a period of 10 business days to cancel the reservation. An invoice will be sent after the 10 day cancellation period to the billing contact specified on the teachers PLTW registration. The invoice must be paid in full after the cancellation period including course registration, housing, and meals as specified on the teacher registration through PLTW. If for some reason the teacher registered for the USC PLTW Core Training course is not able to attend the training, the reservation is transferable to another teacher by the school or school district within the course during the USC PLTW Core Training session. Fees paid on behalf of a participant who fails to attend the training will not be refunded.



### Digital Electronics (DE)

**Starts:** Jun 20, 2010

**Ends:** Jul 2, 2010

**Session:** 2

**Cost:** \$2,100.00

**Seats:** 20 (20 available!)

**Room And Board:** Registration Cost: \$2100 - Late Registration: (if after May 31, 2010) \$2,350 and are subject to availability. Housing Cost: On-Campus \$500 includes 12 night stay (Sunday afternoon check-in through Friday noon check-out of second week) Apartment style residence with linen pack, including 2 pillows, 1 blanket, and room card. Off-Campus Housing: Special discounted rates are available for teachers registering for the PLTW courses at the following hotels located in close proximity to the USC College of Engineering Engineering and Computing: SpringHill Suites by Marriott & Courtyard by Marriott Columbia Downtown at USC. Off campus lodging arrangements must be made by the teacher. USC can not make off campus housing arrangements. Contact the SpringHill Suites by Marriott at (803) 978-2333 and request "USC PLTW Rate" Contact Courtyard by Marriott at (803) 799-7800 and request "USC PLTW Rate". Meal Cost: \$160 includes breakfast and lunch. \$115 includes lunch only. Meal Details: Carolina Meal Cards will be provided for participants selecting USC Meal Plans. Breakfast and lunch will be available at Carolina Fast Track and the Russell House. All dinner and weekend meals are the responsibility of the teacher. Cancellation Policy: After the reservation has been made through PLTW for a seat in a PLTW Core Training course the teacher, school, or school district representatives have a period of 10 business days to cancel the reservation. An invoice will be sent after the 10 day cancellation period to the billing contact specified on the teachers PLTW registration. The invoice must be paid in full after the cancellation period including course registration, housing, and meals as specified on the teacher registration through PLTW. If for some reason the teacher registered for the USC PLTW Core Training course is not able to attend the training, the reservation is transferable to another teacher by the school or school district within the course during the USC PLTW Core Training session. Fees paid on behalf of a participant who fails to attend the training will not be refunded.

### Engineering Design and Development (EDD)

**Starts:** Jun 20, 2010

**Ends:** Jul 2, 2010

**Session:** 2

**Cost:** \$2,100.00

**Seats:** 7 (7 available!)

**Room And Board:** Registration Cost: \$2100 - Late Registration: (if after May 31, 2010) \$2,350 and are subject to availability. Housing Cost: On-Campus \$500 includes 12 night stay (Sunday afternoon check-in through Friday noon check-out of second week) Apartment style residence with linen pack, including 2 pillows, 1 blanket, and room card. Off-Campus Housing: Special discounted rates are available for teachers registering for the PLTW courses at the following hotels located in close proximity to the USC College of Engineering Engineering and Computing: SpringHill Suites by Marriott & Courtyard by Marriott Columbia Downtown at USC. Off campus lodging arrangements must be made by the teacher. USC can not make off campus housing arrangements. Contact the SpringHill Suites by Marriott at (803) 978-2333 and request "USC PLTW Rate" Contact Courtyard by Marriott at (803) 799-7800 and request "USC PLTW Rate". Meal Cost: \$160 includes breakfast and lunch. \$115 includes lunch only.

Meal Details: Carolina Meal Cards will be provided for participants selecting USC Meal Plans. Breakfast and lunch will be available at Carolina Fast Track and the Russell House. All dinner and weekend meals are the responsibility of the teacher. Cancellation Policy: After the reservation has been made through PLTW for a seat in a PLTW Core Training course the teacher, school, or school district representatives have a period of 10 business days to cancel the reservation. An invoice will be sent after the 10 day cancellation period to the billing contact specified on the teachers PLTW registration. The invoice must be paid in full after the cancellation period including course registration, housing, and meals as specified on the teacher registration through PLTW. If for some reason the teacher registered for the USC PLTW Core Training course is not able to attend the training, the reservation is transferable to another teacher by the school or school district within the course during the USC PLTW Core Training session. Fees paid on behalf of a participant who fails to attend the training will not be refunded.

### **GTT Advanced (GTT-ADV)**

**Starts:** Jun 20, 2010

**Ends:** Jul 2, 2010

**Session:** 2

**Cost:** \$2,100.00

**Seats:** 20 (20 available!)

**Room And Board:** Registration Cost: \$2100 - Late Registration: (if after May 31, 2010) \$2,350 and are subject to availability. Housing Cost: On-Campus \$500 includes 12 night stay (Sunday afternoon check-in through Friday noon check-out of second week) Apartment style residence with linen pack, including 2 pillows, 1 blanket, and room card. Off-Campus Housing: Special discounted rates are available for teachers registering for the PLTW courses at the following hotels located in close proximity to the USC College of Engineering Engineering and Computing: SpringHill Suites by Marriott & Courtyard by Marriott Columbia Downtown at USC. Off campus lodging arrangements must be made by the teacher. USC can not make off campus housing arrangements. Contact the SpringHill Suites by Marriott at (803) 978-2333 and request "USC PLTW Rate" Contact Courtyard by Marriott at (803) 799-7800 and request "USC PLTW Rate". Meal Cost: \$160 includes breakfast and lunch. \$115 includes lunch only. Meal Details: Carolina Meal Cards will be provided for participants selecting USC Meal Plans. Breakfast and lunch will be available at Carolina Fast Track and the Russell House. All dinner and weekend meals are the responsibility of the teacher. Cancellation Policy: After the reservation has been made through PLTW for a seat in a PLTW Core Training course the teacher, school, or school district representatives have a period of 10 business days to cancel the reservation. An invoice will be sent after the 10 day cancellation period to the billing contact specified on the teachers PLTW registration. The invoice must be paid in full after the cancellation period including course registration, housing, and meals as specified on the teacher registration through PLTW. If for some reason the teacher registered for the USC PLTW Core Training course is not able to attend the training, the reservation is transferable to another teacher by the school or school district within the course during the USC PLTW Core Training session. Fees paid on behalf of a participant who fails to attend the training will not be refunded.



### **GTT Basic (GTT)**

**Starts:** Jun 20, 2010

**Ends:** Jul 2, 2010

**Session:** 2

**Cost:** \$2,100.00

**Seats:** 20 (20 available!)

**Room And Board:** Registration Cost: \$2100 - Late Registration: (if after May 31, 2010) \$2,350 and are subject to availability. Housing Cost: On-Campus \$500 includes 12 night stay (Sunday afternoon check-in through Friday noon check-out of second week) Apartment style residence with linen pack, including 2 pillows, 1 blanket, and room card. Off-Campus Housing: Special discounted rates are available for teachers registering for the PLTW courses at the following hotels located in close proximity to the USC College of Engineering Engineering and Computing: SpringHill Suites by Marriott & Courtyard by Marriott Columbia Downtown at USC. Off campus lodging arrangements must be made by the teacher. USC can not make off campus housing arrangements. Contact the SpringHill Suites by Marriott at (803) 978-2333 and request "USC PLTW Rate" Contact Courtyard by Marriott at (803) 799-7800 and request "USC PLTW Rate". Meal Cost: \$160 includes breakfast and lunch. \$115 includes lunch only. Meal Details: Carolina Meal Cards will be provided for participants selecting USC Meal Plans. Breakfast and lunch will be available at Carolina Fast Track and the Russell House. All dinner and weekend meals are the responsibility of the teacher. Cancellation

Policy: After the reservation has been made through PLTW for a seat in a PLTW Core Training course the teacher, school, or school district representatives have a period of 10 business days to cancel the reservation. An invoice will be sent after the 10 day cancellation period to the billing contact specified on the teachers PLTW registration. The invoice must be paid in full after the cancellation period including course registration, housing, and meals as specified on the teacher registration through PLTW. If for some reason the teacher registered for the USC PLTW Core Training course is not able to attend the training, the reservation is transferable to another teacher by the school or school district within the course during the USC PLTW Core Training session. Fees paid on behalf of a participant who fails to attend the training will not be refunded.

### **Introduction to Engineering Design (IED)**

**Starts:** Jun 20, 2010

**Ends:** Jul 2, 2010

**Session:** 2

**Cost:** \$2,100.00

**Seats:** 20 (20 available!)

**Room And Board:** Registration Cost: \$2100 - Late Registration: (if after May 31, 2010) \$2,350 and are subject to availability. Housing Cost: On-Campus \$500 includes 12 night stay (Sunday afternoon check-in through Friday noon check-out of second week) Apartment style residence with linen pack, including 2 pillows, 1 blanket, and room card. Off-Campus Housing: Special discounted rates are available for teachers registering for the PLTW courses at the following hotels located in close proximity to the USC College of Engineering Engineering and Computing: SpringHill Suites by Marriott & Courtyard by Marriott Columbia Downtown at USC. Off campus lodging arrangements must be made by the teacher. USC can not make off campus housing arrangements. Contact the SpringHill Suites by Marriott at (803) 978-2333 and request "USC PLTW Rate" Contact Courtyard by Marriott at (803) 799-7800 and request "USC PLTW Rate". Meal Cost: \$160 includes breakfast and lunch. \$115 includes lunch only. Meal Details: Carolina Meal Cards will be provided for participants selecting USC Meal Plans. Breakfast and lunch will be available at Carolina Fast Track and the Russell House. All dinner and weekend meals are the responsibility of the teacher. Cancellation Policy: After the reservation has been made through PLTW for a seat in a PLTW Core Training course the teacher, school, or school district representatives have a period of 10 business days to cancel the reservation. An invoice will be sent after the 10 day cancellation period to the billing contact specified on the teachers PLTW registration. The invoice must be paid in full after the cancellation period including course registration, housing, and meals as specified on the teacher registration through PLTW. If for some reason the teacher registered for the USC PLTW Core Training course is not able to attend the training, the reservation is transferable to another teacher by the school or school district within the course during the USC PLTW Core Training session. Fees paid on behalf of a participant who fails to attend the training will not be refunded.

### **Principles Of Engineering (POE)**

**Starts:** Jun 20, 2010

**Ends:** Jul 2, 2010

**Session:** 2

**Cost:** \$2,100.00

**Seats:** 20 (20 available!)

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#### **College Credit For Summer Training**

Three semester-hours of graduate credit are available for each of the following courses: POE, IED, GTT, DE by meeting the appropriate requirements.

#### **College Credit For High School Students**

Secondary school students from any PLTW-certified school in the country may apply for University of South Carolina credit as follows: PLTW course Digital Electronics may be used for ELCT 101, Introduction to Electrical Engineering; PLTW course Principles of Engineering for ENCP 101, Introduction to Engineering; and PLTW course Introduction to Engineering Design may be used for EMCH 111, Introduction to Engineering Graphics and Visualization. USC requires these students to have an overall "B" average or SAT score of 1100 or PSCAT score of 110, receive at least an 85 percent average in the course, and a score 70 or above on the college credit exam. For the students meeting these criteria, USC awards 3 semester hours of credit with proper application and tuition payment. USC's academic departments evaluate the acceptability of these credits in the same manner in which they evaluate and confer transfer credits.

#### **Contact**

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