

ADVANCED TECHNOLOGY CENTER

GRAND OPENING

9:00 AM — October 9, 2009



Delaware County
Community College



*Tours of the Center
to follow the Grand Opening Ceremony*





LETTER FROM THE PRESIDENT

The Advanced Technology Center is the first of the two buildings to open as part of the College's new STEM Complex. Upon completion, the new complex will transform the Marple Campus and the way we deliver education in science, technology, engineering and mathematics.

The cutting-edge technology in the Advanced Technology Center is challenging students to sharpen their technical skills and to expand their knowledge base to meet the demands of the 21st century job market. The opening of the Center also coincides with a global focus on renewable energy. The promise of rewarding new careers in the green job market is inspiring and energizing students and faculty alike. As green technologies emerge in solar, wind and geothermal industries, the College expects to play a leading role in adapting course offerings in the building trades and manufacturing to accommodate these emerging career opportunities.

Within this stimulating new environment, students are gaining hands-on experience in the practice of technical and cooperative skills required in a competitive workplace. The College's investment in the STEM Complex complements its emphasis on student success both in the classroom and in the workplace. In opening the doors to the Advanced Technology Center, the College also opens the door of opportunity to a 21st century educational environment.



ADVANCED TECHNOLOGY CENTER

The **Advanced Technology Center** focuses on high-demand occupations in a 21st century educational environment. Among its unique features are highly specialized and customized education and training programs for major corporate partners like Boeing, Sunoco and Exelon. Other program offerings range from the traditional skills-based trades – automotive, electronics, HVAC systems, plumbing, welding – to the high-tech engineering technology programs, which support the region's industries with highly skilled technicians and technologists.

The Center's Applied Engineering Technology (AET) programs are widely recognized for some of the area's finest technology graduates. AET programs include: computer-aided drafting and design, power utility technology, electronics, nanofabrication, industrial systems, machine tool technology and more.

New offerings at the Center will include courses in green technology, such as PV Solar, Weatherization, Green Roof Construction and Geothermal Heating and Cooling Systems.



The **Advanced Technology Center** is a 32,000 square foot pre-engineered building and the first of the two buildings in the STEM Complex to open on the Marple Campus. The larger 105,000 square foot building in the \$60 million STEM Complex will open in 2010, housing modern science, engineering and mathematics laboratories. The Complex is expected to become a magnet for the study of STEM fields.

FIRST FLOOR



Sheet Metal and Composite Materials

Southeastern Pennsylvania is a regional hub for the rotorcraft industry. Our students learn the latest techniques in fabricating parts and techniques of rotorcraft assembly for the industry in the sheet metal fabrication program, the composite materials program, or both. Companies employing skilled workers in these fields include Boeing, Augusta-Westland, Sikorski and Piasecki.





SECOND FLOOR

“Green jobs are growing more than twice as fast as others.” Report, Pew Center for the States



Process Technology

Many industries throughout our region rely on process operators to monitor the flow of materials leading to a finished product. Industries such as chemical, petrochemical, foods, water and pharmaceuticals all rely on process technicians to achieve the end result. Students in this program also receive in-depth training on regulations surrounding safety, health and environment in the production of end products.



Industrial Systems Technology

Equipment such as this new steam trainer provides students in our industrial systems program with hands-on, real life simulations as they prepare for careers as machinery mechanics or operators of advanced technology equipment in energy or industrial environments. Our graduates are qualified to support highly sensitive and technical equipment used in hospitals, power plants, research and electronics labs.



Machining

Claimed as a center of excellence by the Society of Manufacturing Engineers, the ATC's machining lab retains that status with its state-of-the-art manufacturing equipment. From very basic machining to advanced computer-controlled equipment, students design, develop, create and manufacture precision components to advance regional manufacturing in a global market.

*Training
in hands-on tasks*





Carpentry

What appears to be a simple process actually involves multiple precision steps where perfection is the rule, not the exception. Future carpenters who train in the College's residential and finish carpentry programs receive training in the foundation skills that create expertise in every aspect of framing and interior finish work. Working as individuals or in teams, students learn framing, drywalling, roofing and siding techniques, plus interior work such as staircases and trim. The semester culminates with the construction of a house using green technology.

Hot jobs for the 21st Century



Welding

Our broad-based welding program offers 17 non-credit courses covering the most commonly used arc welding to lesser known processes such as gas tungsten arc welding. Training includes welding design, testing, codes and specification. The art of welding, a precise skill, is a valuable asset to occupational tasks in several of today's manufacturing industries, spanning decorative wrought iron to steel beam construction to shipbuilding.

Automotive

Automotive technicians of the future develop their skill sets on the most modern technology found in today's automobiles. From working on the traditional automotive systems to the newest hybrid technologies, students graduate with skills which prepare them for this diverse career path. Our Automotive Service Excellence (ASE) certified program includes fundamental, basic, intermediate, and advanced training in testing, diagnostics, evaluation and repair of automotive systems and components in a variety of makes and models.



Electronics

As our society continually moves towards a high tech environment, technicians will be more and more in demand. State-of-the-art laboratories, instruction and hands-on activities develop skills in trouble-shooting, repair, design, installation, and manufacturing of today's electronic equipment. Electronics technicians solve complex problems on equipment in a vast array of industries including medical devices, computers, telecommunications, food processing, audio and appliances.



“The opening of the Advanced Technology Center coincides with a global focus on renewable energy.” Dr. Jerry Parker



Electrical

Basic circuitry and wiring are key elements in building a strong foundation for students in our electrical program. Offering residential, commercial and industrial electrical instruction, our program provides experiences from fundamental to highly technical skills. Students also learn DC analysis and National Electrical Code and Occupational Safety and Health Administration (OSHA) compliance guidelines to round out their education and careers.

HVAC

In our heating, ventilation and air conditioning (HVAC) lab, students are trained on the latest equipment from both an installation and service aspect. Local business partners supplement our labs with state-of-the-art demonstration equipment so that graduating technicians are skilled in all facets of the comfort industry. Students become familiar with environmental regulations and understand how new models of equipment relate to energy efficiency and green technology.



Plumbing

The four year plumbing apprenticeship program provides the essential skills needed in today's plumbing and plumbing-related occupations. Students learn both the practical and theoretical aspects of this highly skilled profession. Applying classroom knowledge on the job, they work for a master plumber during the day and attend classes in the evening. Classes include study of the local, national and international codes that regulate standards of quality within the industry. Upon completion of the program, students are eligible to test for Journey-level status.

ADVANCED TECHNOLOGY CENTER

PROGRAM OFFERINGS

Associate Degree Programs

Architectural Technology
Automated Manufacturing/Robotics Technology
Automotive Technology
Computer-Aided Drafting and Design
Construction Management Technology
Electronics Technology
Facility Management Technology
Heating, Ventilation, Air Conditioning and Refrigeration
Industrial Systems Technology
Machine Tool Technology
Mechanical Technology
Nanofabrication Manufacturing Technology
Power Utility Technology (Technical Studies Degree)

Certificate Programs

Automotive Technology I
Automotive Technology II
Computer Numerical Control (CNC) Programming
Computer-Aided Drafting and Design
Computer-Aided Machining, Lathe, Mill & EDM
Construction Supervision
Electrical
Finish Carpentry
Heating, Ventilation, Air Conditioning and Refrigeration
Industrial Systems Technology
Machining Operations I
Machining Operations II
Manufacturing Operations
Plumbing Apprenticeship
Process Technology I
Process Technology II
Residential Carpentry
Welding

BOARD OF TRUSTEES

James P. Gaffney, Chair
Raymond G. Toto, Vice-Chair
Neilda E. Mott, Secretary

Corrinne A. Caldwell
Bernice Clark-Dickerson
Mimi Greenwood
Robert W. McCauley
Albert T. Olenzak
Barry J. Radcliffe
Michael L. Ranck
Marilyn A. Spicer

SOLICITOR

James R. Flick

GATEWAY TO OPPORTUNITY CAPITAL CAMPAIGN LEADERSHIP COMMITTEE

W. R. Lyle, Chair
John R. Agar, Jr.
David M. Banet
Kathleen A. Breslin
Michael J. Buongiorno
Virginia M. Carter
Rep. Mario J. Civera, Jr.
Lawrence M. D'Andrea
Pa. Senator Edwin B. Erickson
James P. Gaffney
Jack J. Holefelder
Joseph Houldin
Moiria Kelly
J. Patrick Killian
Danny Kubik
Ronald Lafferty
Robert M. Madonna
Robert W. McCauley
Jerome S. Parker
Daniel C. Pantaleo
Pa. Senator Dominic Pileggi
R. Stanley Schuck
Patrick G. Tomlinson
Raymond G. Toto
Joseph J. Viscuso
Eric R. Wellington

ALUMNI COMMITTEE

Moiria Kelly, Co-Chair
Robert M. Madonna, Co-Chair
Kathleen A. Breslin
Gregory Pasquale Ciminera
Edward DiPilla
Kristen Kilman
Cynthia Hartman Robinson
Kathy Schank
William E. Sockwell

DELAWARE COUNTY COMMUNITY COLLEGE FACILITIES/FINANCE COMMITTEE

Corrinne A. Caldwell
James P. Gaffney
Robert W. McCauley
Barry J. Radcliffe
Marilyn A. Spicer
Raymond G. Toto

STEM COMPLEX CORE COMMITTEE

Jeffrey S. Baun
Virginia M. Carter
Frances M. Cubberley
Tonino DeLuca
John A. Glavin, Jr.
Jerome S. Parker
Grant S. Snyder
George Sullivan

STEM COMPLEX ADVISORY COMMITTEE

John R. Agar, Jr.
Steven M. Aquilani
Jeffrey S. Baun
Mary Jo Boyer
Kathleen A. Breslin
Greg Davis
Tonino DeLuca
Bob Hardcastle
Thomas L. Hench
Jill S. Kirschman
Gary R. Kovach

DELAWARE COUNTY COMMUNITY COLLEGE EDUCATIONAL FOUNDATION BOARD OF DIRECTORS

Barbara A. Denczi, Chair
William E. Sockwell, Vice-Chair
Kathleen A. Breslin, Executive Director
John A. Glavin, Jr., Treasurer
David M. Banet
Karen L. Bogosian
Michael J. Buongiorno
Ptoshia A. Burnett
John J. Camero III
Robert W. Cassidy
Thomas A. Clardy
Lawrence M. D'Andrea
Paul deBotton
Anthony DiTommaso
Marvin T. Fox
Vahan H. Gureghian
Jack J. Holefelder
Suzanne Keenan
Robert M. Madonna
Phyllis Ann (Pam) Mariani
Larry J. Moulder
Kevin B. Nolan
Albert T. Olenzak
Daniel C. Pantaleo
Jerome S. Parker
Donald B. Soslow
Charles D. Stevenson
C. N. (Bud) Swenson
Patrick G. Tomlinson
William H. Torian, Jr.

ADVANCED TECHNOLOGY CENTER ADMINISTRATION

Eric R. Wellington, Dean
W. Jack Powell, Jr., Director

BUILDING CONSTRUCTION

Reynolds Construction Management, Inc.
KC Construction Co.
Little Builders, Inc.
Dolan Mechanical, Inc.
GEM Mechanical Services, Inc.
Pagoda Electrical, Inc.

ARCHITECT

Burt Hill

PHOTOGRAPHY

David E. Gifford

GRAPHIC DESIGNER

Carole Smith Studio





THANK YOU

for your generosity in contributing
to the Gateway to Opportunity Campaign for the STEM Complex.

As of September 2009

\$10,000 and up

Thomas J. Anderson
Aqua Pennsylvania, Inc.
David M. & Susan L. Banet
Exelon Corporation
James R. Flick, Esq.
James P. Gaffney
The Harrah's Foundation
Burt , Hill
L. William Kay II
W. Roger Lyle
Robert & Peg McCauley
The McLean Contributionship
Olympic Tool & Machine Corporation
Jerry & Sue Parker
Pennsylvania Machine Works, Inc.
QVC, Inc.
SAP America, Inc.
The Ethel Sergeant Clark Smith
Memorial Fund
Southco, Inc.
The Sunoco Foundation
Raymond & Karen Toto

Under \$10,000

Anonymous (5)
Dr. John R. & Mrs. Beatrice Agar, Jr.
Desmond Allison '95
Michael Andruszko '87
Reuben & Phyllis Aronovitz
Adele Balestra
Joseph M. &
Carol Cunningham Base '83
Jeff Baun
Aaron J. Benau '07
John J. Berry '92
Betty Biglin '77
John Anthony Bodalski '05
Mary Jo Boyer, D.N.Sc. '93
Kimberly D. Braun '02
Kathleen A. Breslin
Nancy & Tom Brooks
Ptoshia A. Burnett
Corrinne A. Caldwell, Ph.D.
John G. Callahan '86
Ruth Campbell
Mark J. Capriolo, M.D. '88
Virginia M. Carter, Ed.D.
Carol S. Chapman '84
Chemring North America, Inc.
Cherry Steel Corp.
Dr. & Mrs. Thomas A. Clardy
Bob & Kathy Clarke
Sharon Clarke '00
Steven A. Clarke '73
Mark Cochard '77
Barbara J. & Dr. Matthew J. Cohen
Linda J. Collier, J.D.
Eileen W. Colucci
Compass Group USA Division
Paula F. Cook '96
Bill & Anne Cranny '73
Laurel A. Craven '73
Ellen & John Crockett '92
Brian P. Crowe
Gary Csanady
Frances M. Cubberley
Melissa Ann Dalton '08
Gale R. Davis in memory of
George William Davis, Jr.
Patricia A. Dawson '91
DCCC Association of Higher Education
DCCC Craft Show Vendors
DCCC Faculty & Staff

DCCC President & Board of Trustees
in memory of Joanne McCann
Joseph D. Debes '07
Paul M. deBotton
Ruth DeCou
Lisa Marie Deeley
Ann Teresa Demkin '92
Barbara A. Denczi
Jane Barry DePaul
Marilyn L. Derby '93
Lana M. deRuyter, Ph.D.
Dorothea E. DiGiovanni '00
The DiTommaso Family
Patricia H. Donnelly, Esq. '79
Suzanne Doonan
Joanna & Edward Eill
Marianne Enright '90
Sandra E. Evans '90
Margaret B. Ewing '80
Donald P. Famous '93
Craig R. Fitz
Beth Fitzgerald
Carol A. Fortunato '02
Stephen G. Frederick
Judith Gentile
Ardy & Terri Giangulio '99
Alice S. Gibbons
Robin Giffin
Loretta & John Glavin
The Glenmede Corporation
Valerie Graff '78
The Reverend Mimi Greenwood
Tara A. Griffin '94
Honora Hanly Groody '83
Lee & Eileen Grout '96
Nanci & Joseph Hagarty Family
Sue & Art Hankin
Katrina A. Harris '85
Traci & Hans Hausmann
Violet F. Heness '92
Joyce Hovey
Margaret L. Huntsman
Thomas J. Jarvis
Linda L. Jester '83
Susannah J. Johnson
Eileen McKenna Kammerer '04
Theresa M. Kelly '02
Jill S. Kirschman
Rachel Koons '99
Cynthia & Gene Kupniewski
Vicki LaFashia '93
Frances Lastowka '89
Melanie O. Leroy
Theodore C. Lewandowski
Ann M. Loney
Karen Ann Lungren '89
Herbert E. MacCombie, Jr.
Naomi Haruko Machell
Robert Madonna '74
Sean J. Maguire '79
Loretta T. Maley
Moira Kelly Marano '75
& Ralph Marano '81
Raymond Maruca
Nuria P. Mas
Connie L. McCalla
James J. McCann
Carol A. McCarry
Judith P. McCleary '69
Joseph F. McGinn '75
Dionne A. McLeod '94
Helen, Michael & Allison McKinley
Emily McLoughlin
Cecelia N. McMahan
Francis McVeigh
Beverly Ann Messick & Thomas A. Messick

Barbara & Alfred Meyer
Cheryl A. Meyer
Janice & James Meyer
Albert I. Mills
Anthony, Christine & Gayle Miraglia
Dorothy & Robert Mitchell
Roderick A. Morrison
Neilda E. Mott
Peter Murphy
Gail P. Myrick
Dr. & Mrs. Mark Nagy
Carl J. Needles '88
Charline Neigh
New Appearances Hair Salon
Richard M. Newberg '76
Albert T. Olenzak, Ph.D.
Robert B. Oliver '71
Douglas F. Owens '83
Pagoda Electrical, Inc.
Dan & Judy Pantaleo
Charlene M. Paolucci '02
Marie & John Patriarca
Pennsylvania Commission
for Community Colleges
Rose T. Pinto '86
Florence S. Piorowski '92
Diana E. Plummer
Dr. & Mrs. Joseph R. Quill
Captain E. J. Quinn, USN '78
Catherine Craner Randall
James G. Raschka & Family
Margaret L. Reuger
Reynolds Construction
Management, Inc.
Elizabeth Richie
Dr. Ralph L. Rogers '86
James Roman
Stewart Rose '04
Dorothy A. Russo
Kimberly & Domenick Savino
Kathy & Jack Schank
Ruth Schick
Margaret A. Schils
Carolyn W. Schoonover
William G. Sfida '82
Christine E. Shaffer
Teresa Sharrow '89
Sondra L. Shiffer
Labron K. Shuman
Sarah G. Singer
Christopher V. Skahan '96
Joanne & Joseph J. Slouskey, Jr.
Robert S. Snyder, Jr., Ph.D. '78
Tony Soong
Donald & Wendy Soslow
James A. Stokes '77
George Sullivan
Sunoco, Inc.
John Tereniak '81
Betty F. Thomas '80
Bill & Nancy Trimbur
Roberta & William H. Torian, Jr.
William T. Tsiouris
Bianca Valente '81
De Vitale
Wachovia Bank NA
Bernadette Walsh
Richard Bruce Weakley '76
Bernice Webb '90
John E. Webb '00
Alan L. Winters '77
William H. Woomer II