

# Explore

## FEATURE STORY

### *Graduates Who Shine*

Is Prosser special? Ask Wally Thompson. In recommending Prosser to today's students, Thompson has this advice: "Do well in school; work hard. Mistakes help you learn. Get your hands dirty and learn from the ground up. Prosser gets you a foot in the door."

Graduating in 1996 from Clarksville High School and Prosser, Thompson lives in Borden,

Indiana, with his wife, Karen, and their four young children. A 2000 graduate of Purdue University, he majored in Construction Engineering and Management. Today Thompson is continuing his ten-year employment at thriving Mac Construction as general superintendent over the concrete division.

He credits the hands-on skills he learned at Prosser with giving him the attitude and the foundation he needed to succeed. "I'm a hands-on learner and I really think Prosser got me a start," he says. While at Prosser, Thompson was in the Masonry program and praises instructor Steve Terry who was "outstanding" in Thompson's opinion. Working on houses in the Building Trades program and learning along the way were his steps to success.



### You Are Invited!

Please join the Prosser family on Jan. 27 for our annual Open House from 5:30-7:30 p.m.

- Enjoy a spaghetti supper for \$1
- Register to win many prizes
- Tour classrooms and labs
- Meet program instructors
- Speak with local employers

# Explore

You are invited . . .

Mark your calendars! On January 27, 2011, from 5:30 to 7:30 we will hold an open house for prospective students. Register to win many prizes.

Listed below are the current courses Prosser offers. For a more extensive listing of each program, contact Prosser School of Technology, 812-542-8508, and ask for a Program Guide, or visit [www.prossertech.org](http://www.prossertech.org).

## AGRICULTURE

### *Horticulture Science*

Horticultural Science is designed to give students a background in the field of horticulture and its many career opportunities. It addresses the biology and technology involved in the production, processing and marketing of horticultural plants and products. Students participate in a variety of activities including extensive laboratory work, usually in the school greenhouse or on school grounds.

## COMMUNICATIONS

### *Graphic Imaging Technology*

Graphic Imaging Technology (Graphic Communications) is an instructional program that prepares individuals to apply technical knowledge and skills in the manufacture and distribution or transmission of graphic communications products. This includes instruction in the pre-press, press, and post-press phases of production operations.

## COMPUTER INFORMATION TECHNOLOGY

### *Information Support and Services (Business Technology)*

Computers are extremely prevalent in our society. Those who know how to use the most popular computer applications have a definite edge over those who have minimal or computer knowledge in many high-paying career fields. While using the most current Microsoft Office Software (MOS), students have the opportunity to gain a deeper understanding of Access, Excel, PowerPoint and Word. Training will lead to Microsoft Certification.

### *Interactive Multimedia*

The Interactive Media program is an exciting, fast-paced, energetic learning experience. Classified as the "creative" side of computer science, students will study various elements of multimedia such as creating and manipulating text, photos, graphics, sound, movies and animations. Students will be expected to produce an electronic portfolio of their work, as well as team-based projects.

### *Network Systems*

The Network Systems program area prepares students for careers dealing with network-systems analysis, planning, and installation. Students gain the necessary skills to analyze network-system needs for design, installation, maintenance, and management of a network system. In classroom and lab situations, students learn to install, configure, upgrade, op-



erate, and maintain microcomputers, peripheral devices and networks.

### *Programming and Software Development*

Students training in the areas of hardware and software programming and analysis learn to design, develop, test, document, implement and maintain computer systems and software. Students have the opportunity to be trained in Business Programming, Game Programming, and Internet Programming. While students are well prepared for entry-level positions in computer programming, many pursue post-secondary degrees and national certifications.

## CONSTRUCTION

### *Bricklaying/Masonry*

This two-year program trains students to understand blueprints, to estimate materials needed and to use hand and power tools. Students receive practical experience by taking part in the building of a single-family residence. They learn safe ways to construct brick and block walls with various bonds and joints; identify and mix different types of mortar; construct forms; and mix, pour and finish concrete.



### *Building and Facilities Management*

Building and Facilities Management is an instructional program that prepares students to service a variety of structures including commercial and institutional buildings. This course provides instruction in basic maintenance and repair

skills related to small appliances, plumbing, electrical, and other mechanical systems. Additional activities include classroom and laboratory experiences concerned with all phases of the care and cleaning of buildings, fixtures, and furnishings.

### **Building Trades Technology**

Students in this program gain familiarity with all aspects of home construction by actually building a house. Hands-on training and classroom instruction are provided in estimating, layout, footing and foundation, platform construction, framing, roofing, sidings, insulation, exterior finish, window and door installation, stair building and interior finish.

### **Construction and Earthmoving Equipment Operator**

This is an excellent program for those who wish to make a career of operating and/or maintaining heavy equipment: backhoes, skid-steers, excavators and bulldozers. In addition to becoming skilled at operating this heavy equipment, students will have an opportunity to operate a wide variety of equipment such as rollers, tractors, earthmovers, extended-hoes, graders, dump trucks, and rubber-tired loaders. Safety and preventative maintenance are continually stressed.



### **Electricity**

The electricity program is a two-year program. Students finish 1,080 hours of electrical training. During the first year, the students learn electrical safety and theory. This includes the study of Ohm's law, series, parallel and combination circuits, conduit bending, and transformers. Additional study covers wire types, wire sizing, boxes, switches, outlets, blueprint reading and the National Electrical Codes.

### **Heating, Ventilation, Air-Conditioning and Refrigeration**

Job diversity, employment stability, and earning potential are just some of the advantages of a career in the Heating, Ventilation, Air-Conditioning, and Refrigeration industry. The HVACR industry offers unlimited opportunities in a field which has many different career paths within the trade area. The residential and commercial heating and cooling industry is a multibillion-dollar-a-year industry, and there are even greater opportunities in specialized fields such as commercial refrigeration, process refrigeration, and pipe-fitting work.

## **HEALTH AND HUMAN SERVICES**

### **Cosmetology**

Cosmetology is a two-year, 1500-hour program for students in their junior and senior years. Cosmetology includes classroom and practical experiences concerning a variety of treatments including beautification of hair and skin care.

### **Nail Tech**

In this one-year program, students will learn how to apply manicures and pedicures; how to recognize and treat nail and skin disorders; and about the anatomy and physiology of the arms, hands, legs, and feet. Students will also learn the importance of sanitation and disinfecting procedures.

### **Culinary Arts**

Culinary Arts students spend class time studying and practicing sanitation and safety requirements for food preparation. They learn the maintenance and operation of hand tools and equipment. They become familiar with recipe reading and measurement.



### **Introduction to Health Care Systems**

The health-careers program introduces students to the Health Care Industry and its trends while providing an opportunity to explore career options. This program integrates academic, technical, and life-skills to prepare students for post-secondary education and/or health-career employment.

### **Introduction to Pharmacy**

As part of the health-career education program, this one-year course provides an excellent opportunity for students to pursue a career in pharmacy. Students are placed in a local pharmacy for a 5-15 hour weekly monitored work experience. This is done in conjunction with evening classes twice a week.

## **MANUFACTURING AND ENGINEERING**

### **Drafting and Computer-Aided Design**

This program covers the latest developments and current practices in all areas of technical graphics, CAD (computer-aided design), board drafting, shop processes and electronic drafting. First-year students begin with board drafting, AutoCAD and SolidWorks while exploring Studio Viz (animation) and Rhinoceros (solid gold modeling and rendering).

### **Precision Machine Technology**

There is a critical shortage of experts trained in Precision Machining Technology, so there is a high-paying future for those who like to work with their hands and use their minds. Skilled machinists, tool and die makers, mold makers, CNC Programmers, CAD/CAM Specialists, and robotics technicians can find jobs almost anywhere in the United States.

### **Welding Technology**



Welding Technology includes classroom and laboratory experiences that develop a variety of skills detailed in American Welding Society (AWS) Entry Level Guidelines and Certifications. Areas of study include electric welding and flame and plasma cutting.

## **TRANSPORTATION**

### **Aviation Maintenance Technology**

Successful completion of this program may earn a student three to 12 college credits, depending on student progress. Students receive instruction in power plants, airframes, aircraft drawing, basic electricity, basic physics, cleaning and corrosion control, fluid lines and fittings, ground operations and servicing, maintenance publications, materials and processes, mathematics, mechanical privileges and limitations, and aircraft weight and balance.

### **Aircraft Operations**

The two-year program requires juniors to attend classes at Shawnee High School, where they experience the flight simulator and study the ground-school curriculum and

C.A. Prosser School  
of Technology

**Our New Numbers Are:**  
Phone: 812-542-8508  
Fax: 812-542-4799

**We Are On The Web:**

Please visit our Web site for more info  
about Prosser School of Technology:  
[www.prossertech.org](http://www.prossertech.org)

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flight operations. The senior year (one credit) requires students to complete the flight portion of the private pilot's license. Students must enroll at Prosser, but they have the option of scheduling a full or reduced load of classes at their high school.

**Automotive Collision Repair Technology**



fiberglass and plastic repair).

The two-year program at Prosser Technical Center will train students in many phases of the Collision Repair Process: cost estimating, frame and body damage analysis, structural and unibody three-dimensional measuring, metal straightening, mig welding, panel and parts replacement (i.e. suspension glass interior trim, as well as

**Automotive Services Technology**

Students in this course receive basic training in all aspects of auto repair the first year, then specialize in Advanced Auto Technology, Engine Rebuilding or Auto Parts the second year. Boasting the only engine machining-and-rebuilding class in the area, Prosser's Auto Tech class provides students with both theory and hands-on experience in repairing vehicles using the latest diagnostic and repair equipment in the field today.

**Diesel Service Technology**

The Diesel Service Technology program provides students the opportunity to experience all phases of repair work on diesel engines and heavy equipment. Classroom and lab activities utilize state-of-the-art diagnostic equipment and tools to repair and troubleshoot all aspects of diesel operation, service and maintenance. Use of technical manuals, hand and power tools, and testing and diagnostic equipment are also studied in this course.

**Recreational and Portable Power Equipment**

Recreational and Portable Power Equipment offers up to two years of comprehensive training in the diagnosis and repair of such power equipment as lawn tractors, chain saws, pumps, generators, Rototillers, go-karts, pressure outboard-and-inboard engines, out drives, and personal watercraft. This includes familiarization of commercial and construction equipment by hands-on training.

**Director's Message** Come Join Us!



It is my pleasure to invite you to our Open House on January 27, 2011. This is a great opportunity for you and your parents to explore our incredible Career and Technical programs. We are very proud of our students, teachers and school. Attending our annual Open House will give you the opportunity to meet our highly-skilled instructors and to see the high-tech equipment that is utilized in each program.

Make no mistake, students completing our programs are successful. In our last newsletter, we highlighted more than 40 students who were very successful in state and national competitions. In this newsletter, we have highlighted Mr. Wally Thompson, one of our many successful graduates. As a graduate of Purdue University and now a general superintendent of Mac Construction, Wally will tell you that Prosser helped him achieve his career goal. If you attend Prosser, I am confident that we will assist you in achieving your career aspirations the same way that we assisted Wally.

I'll see you at Open House!

— Alan Taylor, Director