

are then designated as "Survey Interns." Following four years of practical experience, they are eligible to take the final exam to become a licensed Professional Surveyor.

High Tech Minds

To learn about the various surveying programs offered in Ohio, we urge you to contact these accredited schools: Case Western Reserve University • Cleveland State University • Ohio Northern University • Ohio University • The Ohio State University • University of Akron • University of Cincinnati • University of Dayton • University of Toledo • Youngstown State University.

New Heights

Today's modern Surveyors use the latest technologies, such as total station transits equipped with an infrared light that measures distances, angles and elevations; aerial photography for precision mapping; and computers that analyze data. Since 1993, 24 satellites have provided for the operation of the Global Positioning System (GPS) that provides Surveyors with the exact latitude and longitude of where they're located on the face of the earth.

Where We Work

In Greater Columbus' government sector, Surveyors are employed by the County Engineer's Office, Ohio Department of Transportation, Metropolitan Park District, Ohio National Guard, Ohio Department of Natural Resources, City of Columbus Division of Engineering & Construction and other municipal engineering and public works departments. Private sector positions are with surveying and engineering firms, construction companies, utilities and real estate developers.

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Aim for Success

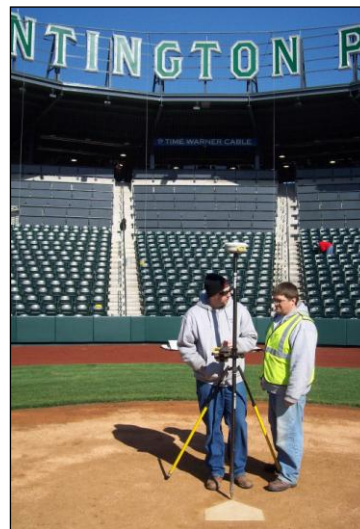
Best wishes to you in your academic and career pursuits. We greatly appreciate your interest in Surveying. For additional information, check out our website and college links or contact us at the following postal and e mail addresses or by phone:

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Surveying Career Ahead



Start planning your future today!

Dean C. Ringle, P.E., P.S.
Franklin County Engineer



Surveyor *n*



One skilled in the science of determining the boundaries, area, position and contour of a tract of land or structure by means of linear and angular measurements.

Webster's Dictionary

A Mighty Task

Surveyors work in all kinds of weather and environmental conditions to make the land measurements necessary for the design and construction of the facilities and services that are

essential to our daily quality of life. From roads and bridges, and water and sewer systems, to the homes and buildings that make up our communities, Surveyors are the providers of property, land use and development boundaries and they're measuring for our future.

Throughout History

In the beginning, early practitioners provided for the layout and construction of great edifices like the pyramids of Egypt (2700 B.C.), temples of ancient Greece (440 B.C.), Great Wall of China (221 B.C.), aqueducts and highways of the Roman Empire (100 B.C.) and the cities of the Aztec, Maya and Inca of Mexico and Central and South America (200 A.D.). In more recent times, Surveyors contributed to the founding of our nation by establishing property and community boundaries, compiling geographic data for the making of maps, and measuring the sites of development projects.



Pioneers

Thomas Hutchins, *left* (1730-1789) – Frontiersman and first Geographer of the United States, Surveyor of the "Seven Ranges" of Ohio, and first to use the rectangular system of surveys in the U.S.

Benjamin Banneker (1731-1806) – African-American Astronomer, Clock Maker, Publisher, and member of the survey team responsible for the layout and planning of Washington D.C.



George Washington (1732-1799) – Surveyor, Commander and Chief of the Continental Army, and First U.S. President.

Thomas Jefferson (1743-1826) – Surveyor, Patriot, Author of the Declaration of Independence, and third U.S. President.

Thomas Worthington (1773-1827) – Pioneer, Surveyor, one of Ohio's first Senators, and the sixth Governor.

Meriwether Lewis (1774-1809) and **William Clark** (1770-1838) – Leaders of the expedition that surveyed the Louisiana Purchase.

Abraham Lincoln (1809-1865) – Surveyor, Lawyer, and 16th U.S. President.

Henry David Thoreau (1817-1862) – Surveyor, Philosopher, Environmentalist, and Author of "Walden."



Our World Needs YOU!

There is an ever-growing need for students to enter the field of Surveying. Without the Surveyors of tomorrow, we cannot continue to address many of the land use and engineering problems that

face our world. Challenging our ways of life and mere existence are needs for improved nuclear and toxic waste disposal, garbage recycling, water purification and delivery, sewage treatment, housing, transportation, and renewable energy.

The Right Stuff

To become a Surveyor, one must have a strong proficiency in English, Math, Science, Computers, and analytical problem solving. Educational requirements include a Bachelor of Science Degree in Surveying or Civil Engineering, with at least 24-quarter hours or equivalent of State Board approved surveying courses. Those wishing to obtain a Professional Surveyor's License in Ohio must take the qualifying "Fundamentals of Surveying Exam." Successful candidates