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**STOP WONDERING,
START
DISCOVERING.**

Learning is good. Learning while doing is better. There's nothing like taking part in award-winning research with outstanding faculty. Unless you do it in state-of-the-art laboratories — or in the largest natural wilderness in the eastern United States — all while getting the knowledge and expertise you'll need to move forward after you graduate.

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WHAT SETS US APART:

- » State-of-the-art lab facilities and natural areas that support leading research.
- » Numerous opportunities for student-faculty research collaboration.
- » Faculty distinctions. Presidential award winner for mentoring, recipient of major grants in physics and astronomy, award-winning mathematics professors.
- » Extraordinary support for professional studies in engineering, optometry, medical technology, cytotechnology and other fields.
- » Combined bachelor's/master's degree program for aspiring math/science teachers.

»
**DEGREE PROGRAMS
MATH AND
SCIENCE**

BACHELOR'S DEGREE

- » Biochemistry
- » Biology*
- » Biology – Pre-Optometry
- » Chemistry*
- » Computer Science
- » Cytotechnology
- » Ecology
- » Engineering 3+2
- » Environmental Science
- » Environmental Science-Planning and Management
- » Environmental Studies
- » Geology*
- » Geology-Earth Science
- » Geology-Environmental Geology
- » Information Technology
- » Mathematics*
- » Medical Technology
- » Physics*

MASTER'S DEGREES

- » Master of Science in Natural Science

Pre-health professions advisement also offered, including pre-dental, pre-medical, and pre-veterinary.

**B.A./M.S.T. Combined Adolescence Education (grades 7-12) also available in these subjects.*

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For details...

www.plattsburgh.edu/academics/mathandscience.php

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**THIS IS
MATH AND
SCIENCE**



>> THE ENVIRONMENT, UP CLOSE

Few colleges can promise you this kind of “lab”: 8,000 acres of forest and agricultural space for in-depth research on the environment. At our Center for Earth and Environmental Science, this is just the beginning. Fifteen of the lab courses involve extensive field work. The Applied Environmental Science Program at the W.H. Miner Institute features lectures and fieldwork in the outdoors. More than half the students collaborate with Ph.D. faculty on research or work with scientists at the Lake Champlain Research Institute. Five professors have won SUNY-wide teaching awards, including distinguished teaching professorships and Chancellor’s Awards for excellence.

According to a recent survey (1997-2007), 90 percent of our geology and environmental science graduates reported that they still work in the field. And nearly all (97 percent) of the environmental science graduates surveyed recommended the program.

>> THE PHYSICAL AND LIFE SCIENCES

Name your passion: biology, chemistry, physics, engineering — you can



explore all of these and more at SUNY Plattsburgh. The pride of the campus is the new science building, where world-class lab space will fully prepare you for industry or postgraduate work in the sciences. And when it comes to planetariums, our North Country Planetarium is by far the best in the region.

What’s really important, though, is what you can *do* in these places. Undergraduates regularly work with faculty on advanced research. Many students have not only presented at national conferences but have won awards for their work. One 15-credit course immerses you in biological research like no other in the SUNY system.

And who will you be working with? The faculty — most of whom publish internationally — study everything from the DNA of Maya skeletons to the chemical composition of comet particles. One recently received an award from President Obama for Excellence in Science, Mathematics and Engineering Mentoring.

Several programs directly prepare you to take the next step into a productive career. You could, for instance, study cytotechnology or medical technology to learn skills in high demand throughout the healthcare industry. A combined engineering degree equips you for graduate work in a critical field, and our Pre-Health Professions Advisory Council can help you chart a course into medical, dental, veterinary, optometry, and other professional schools.

>> SOFTWARE AND ALGORITHMS

Information technology students design complex software. Math majors present at regional conferences. Computer science students program in several languages. Future teachers learn their subject matter — then apply it immediately in the classroom. Hands-on? Absolutely.

With a new \$14 million academic building, slated to open in spring 2013, students will have access to state-of-the-art facilities, including two 30-seat computer labs specially equipped for computer science and information technology majors.

In the process, students in mathematics, computer science and information technology leverage all the strengths these programs have to offer. The faculty include experts in such areas as mathematics curriculum development, fuzzy sets and logic-based programming languages. Small classes and active clubs create valuable bonds with fellow students and faculty. The combined B.A./M.S.T. program, one of the first in the SUNY system, prepares high school teachers in five years and one summer of full-time study.

And after graduation? Some have achieved great success in academia. Alumni have taken leadership positions in banks, investment firms and retirement systems; they have become systems analysts and built careers at companies like Sikorsky and IBM.

Graduates in these fields are highly prized. From here, you really can go anywhere.

