We’ve got your number.

Do your friends consider you a computer whiz? Are numbers your language of choice? If so, then you should count yourself among the members of Assumption’s Department of Mathematics and Computer Science.

Assumption offers you opportunities to study math or computer science in a stimulating and supportive environment. You’ll think logically and solve problems, as well as communicate clearly and effectively — skills that are in high demand in today’s increasingly technological world.

Equation for success

In the classrooms and labs at Assumption, mathematics and computer science students calculate, compute and collaborate with others who are just as passionate about probability and programming as you are.

Under the instruction of our expert faculty, you study mathematical theories and/or computer science languages. Using pencils, PCs and Macs, you grapple with equations and devise solutions to complex problems. As a result, you obtain the reasoning abilities and technical proficiency sought after by employers in fields ranging from business to engineering to education.

And, with more than half of our math majors preparing to be teachers, Worcester’s the place to be. School districts throughout Massachusetts host our student-teachers and hire our graduates. Of course, you’ll find Assumption graduates teaching across the country too.
Course of study

At Assumption, you can major or minor in mathematics or computer science, and you can minor in information technology. You can also major in education so that you can teach math at the elementary, middle or high school level. You also may be interested in entering the engineering partnership with University of Notre Dame.

MATHEMATICS

Major or minor. You have the opportunity to study a variety of the fields of mathematics, including calculus, probability, algebra, analysis, and topology. Develop strong analytical and problem-solving skills.

Major in Education concurrent with a content major in an academic discipline. Assumption’s curriculum emphasizes proficiency in mathematics and early, hands-on experience in the classroom. You acquire the skills, experience and knowledge necessary to achieve your teaching license and excel as a classroom teacher.

COMPUTER SCIENCE

Major or minor. You develop a solid foundation in computer programming and further your knowledge of computer hardware and software. You also gain an appreciation for the social and ethical implications of technology.

INFORMATION TECHNOLOGY (IT)

Minor. You discover the far-reaching impact of information technology on individuals and organizations as you study topics ranging from electronic communications to e-commerce.

A minor in IT is an excellent pairing to a major in mathematics, computer science or business studies.

Learn about our math and computer science faculty, courses and degree requirements at www.assumption.edu/programs.

ENGINEERING

Students in mathematics or computer science may choose to take advantage of Assumption’s engineering partnership with the University of Notre Dame, one of the nation’s leading engineering universities. Through this program, you earn both a Bachelor of Arts (B.A.) degree and a Bachelor of Science (B.S.) degree in five years. You study for three years at Assumption and then transfer to Notre Dame to pursue one of the following areas of study:

Aerospace Engineering  
Chemical Engineering  
Civil Engineering  
Computer Engineering  
Electrical Engineering  
Environmental Geoscience Engineering  
Mechanical Engineering

After your first year at Notre Dame, you are awarded your B.A. degree from Assumption. Then, after your second year, you are awarded your B.S. degree from Notre Dame.

For a complete list of Assumption’s partnerships, visit www.assumption.edu/partners.

“The members of the mathematics department at Auburn High School always enjoy working with students from Assumption. We find that they are knowledgeable and open to new ideas. And with their professional attitude, we feel very confident putting our students’ education in their hands.”

- Annette Lemerise, chair, Department of Mathematics, Auburn (Mass.) High School

WHAT’S NEXT?

Assumption mathematics and computer science students are prepared to either go on to graduate studies in mathematics or computer science or enter directly into careers in such fields as business, communications, education, finance, health care and information technology. Here’s a sampling of where Assumption alumni are adding to our world:

SAMPLE GRADUATE SCHOOLS

Boston College  
Dartmouth College  
North Carolina State University  
Rensselaer Polytechnic Institute  
University of Maine

Learn by doing

In order to gain valuable career experience and increase the competitiveness of your applications to graduate programs, mathematics and computer science majors are strongly encouraged to participate in an internship. Through your internship, you acquire the knowledge, confidence and professionalism that will give you a leg up in today’s competitive job market and also make important contacts that may lead to employment.

“Through my internship at a local cable access station, I built internal applications to make the staff’s day-to-day activities easier. Not only did this experience give me the freedom to experiment with new technologies, but it’s also made me a better candidate in the job market.”

- Brian Warfield ’11, computer science major; intern, Medway Cable Access Corporation

72% of students from the Class of 2014 had at least one internship experience prior to graduation

SAMPLE EMPLOYERS

American Express  
George Washington University  
Meditech  
Oracle  
Raytheon  
School districts:  
Bristol, Conn.  
Fitchburg, Mass.  
Killeen, Texas  
Milton, Mass.  
San Francisco, Calif.  
Wells River, Vt.  