

HOW TO USE THIS MAP

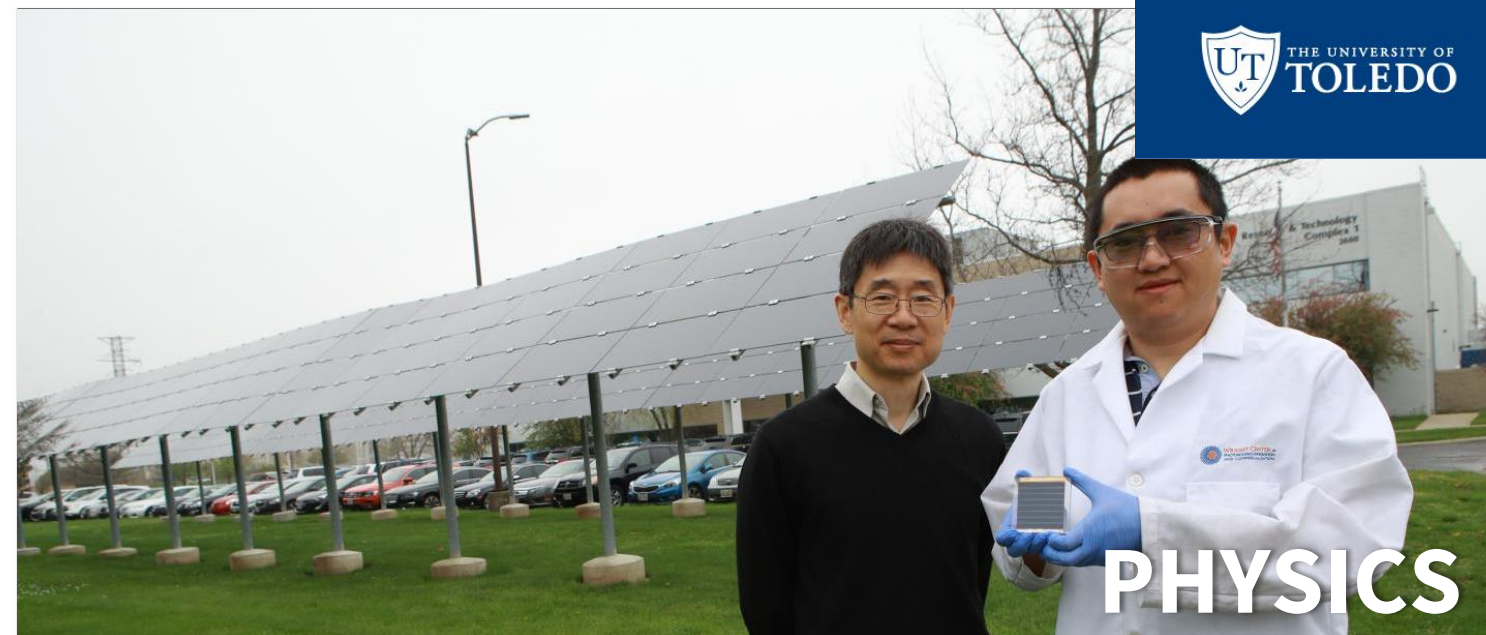
- UToledo's Major Map is a guide for you to plan for future success while you explore your University experience. The five rows of the map provide a step-by-step guide to integrate your academic courses with experiences on and off-campus that will help build your career readiness.
- Start thinking about life beyond college now and use the map to set short- and long-term goals, such as preparing for graduate or professional schools, preparing for your first career-track job and networking with others in your profession.

RESOURCES FOR SUPPORT

From orientation to graduation, there are many resources to support your University experience.

Your success coach is like your personal GPS. As you navigate from where you are to where you want to be, coaches offer one-on-one guidance and support through referrals to academic support services and other campus resources, and connections to campus engagement and experiential learning opportunities. Visit utoledo.edu/successcoach to connect with your success coach.

Career Services provides comprehensive career planning and preparation services for all UToledo students in order to clarify and implement their academic and career goals. Connect with Career Services during your first year and continue working with them often throughout your academic career. Visit utoledo.edu/career to learn more about the programs, services and events to support your success.

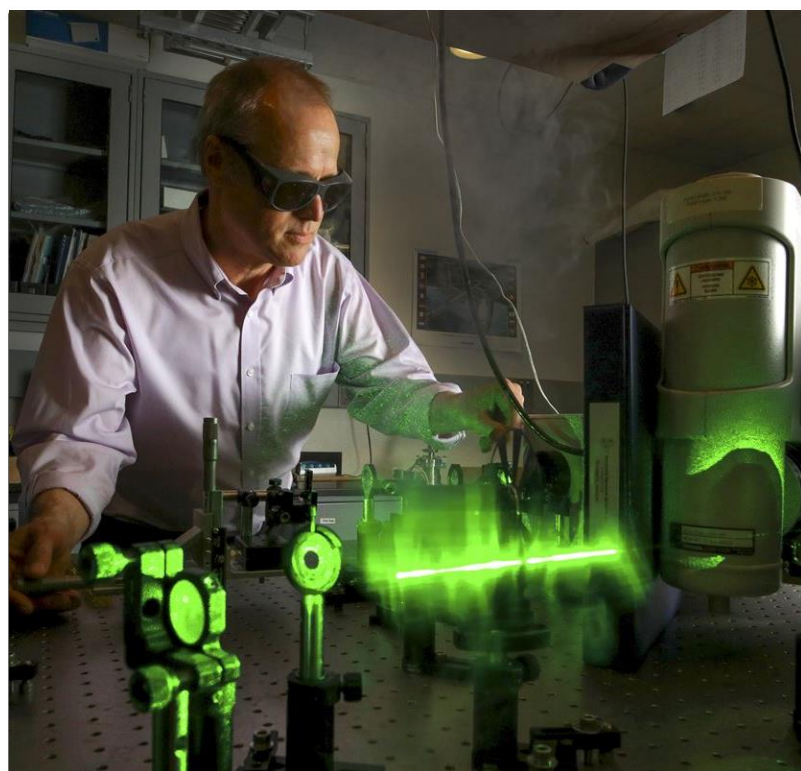


TOP FIVE REASONS TO STUDY PHYSICS AT UTOLEDO

- 1** Work one-on-one with faculty members that are actively engaged in leading-edge research with the U.S. Air Force Research Laboratory, U.S. Department of Energy and colleagues around the world.
- 2** Experiential learning through hands-on undergraduate research as early as your first year, with paid summer research positions also possible.
- 3** Access to high-tech labs such as the Toledo Heavy Ion Accelerator Lab, [Ohio Supercomputer Center](#) and [Wright Center for Photovoltaic Innovation and Commercialization](#).
- 4** Study abroad during your junior year in a year-long exchange program with The University of Salford in Manchester, England. All courses transfer seamlessly.
- 5** Choose from either a Bachelor of Arts (B.A.) in Physics or Bachelor of Science (B.S.) in Physics degree program.

PUTTING YOUR DEGREE TO WORK

- Aviation & Aerospace
- Biotechnology
- Consumer Electronics
- Defense & Space
- Electrical & Electronics
- Government Agencies
- Higher Education
- Hospital & Health Care
- Logistics & Supply Chain
- Medical Devices
- Medical Physics
- Semiconductors
- Solar Energy Technology



BUILD YOUR EXPERIENCE BEYOND THE CLASSROOM

Experiential learning exists through faculty research opportunities and is built into the B.A. and B.S. degree program through the senior capstone project. The skill sets you develop include hypothesis driven research, data acquisition and handling, as well as presentation of those results. These skills are highly sought after when applying for internship programs with industry and national laboratories or applying for M.S., Ph.D. and professional graduate degree programs and jobs. These opportunities prepare you for careers in science, technology and engineering in the academic, industrial, medical and research sectors including those in photovoltaics, semiconductors, medical physics, data science and technology development.

AMPLIFY YOUR MAJOR

- Get involved in undergraduate research to gain unique experience and professional skills to set you apart from others in career searches or with applications to graduate degree programs.
- Explore opportunities to present and publish your research results at regional or national conferences where you can meet others with related goals and interests.
- Consider adding a minor in mathematics, renewable energy, data science or biology.

“As a research student at UToledo, I was able to expand my skillset, bridging physics with business management, to cultivate a versatile expertise that I use in the photovoltaics industry to-date. UToledo gave me the knowledge and space to exercise skills learned in-class and apply them to projects in-lab, in the field with networking teams and in a real industry setting.”

A.J. MATTHEWS, Research Physicist, Toledo Solar, B.S. Physics, '13/P.S.M. Photovoltaics, '15

COLLEGE OF NATURAL SCIENCES AND MATHEMATICS

Department of Physics and Astronomy
Main Campus, McMaster Hall, Room 2017
419.530.2241
office@mail.physics.utoledo.edu
utoledo.edu/nsm/physast



FUELING TOMORROWS



WHAT WILL I LEARN?

Develop your career readiness competencies to ensure you are prepared to launch your career upon graduation:

- Career & Self Development
- Communication
- Critical Thinking
- Equity & Inclusion
- Leadership
- Professionalism
- Teamwork
- Technology

HOW WILL I USE IT?

Use your degree to attain career positions such as:

- Algorithm engineer
- Biophysicist
- Data analyst/scientist
- Entrepreneur
- Failure analysis engineer
- Lab manager
- Medical physicist
- Metrologist
- Optical engineering manager
- Physicist
- Physics researcher
- Process engineer
- Product marketing manager
- Production test engineer
- Professor
- Programmer analyst
- Project manager
- PV research scientist
- Research professor
- Scientist
- Systems analyst
- Technical staff member