Message from the Dean, Dr. Denise Ohler

As you read this, you are probably thinking about pies and decorations! Let’s celebrate our collective successes as we approach the new year.

Edinboro University has a shared purpose this year of student recruitment and retention, which are the by-products of everyday interactions in and outside of the classroom. For any student, it could be one interaction that influences their connection to Edinboro University. The College of Science & Health Professions is striving to be the best we can be in all aspects of teaching, scholarship, and service. Our purpose is greater than our challenges. How do we win as a university, a college, and in life? Let’s look at some quotes from legendary Coach George Raveling.

George is Nike’s former Director of International Basketball and the first African American head basketball coach in the PAC-12. He has held head coaching jobs at Washington State, The University of Iowa, and USC. He’s been inducted in the Naismith Memorial Basketball Hall of Fame as well as the National Collegiate Basketball Hall of Fame.

* Some people say “I don’t have time.” No, all you have is time. It’s how you prioritize your time that matters.
* The problem is… we get into WHO is right and WHO is wrong vs. WHAT is right and WHAT is wrong.
* Don’t be so focused on winning on the court that it blinds you from helping those you coach win off the court.
* Every day I remind myself I am traveling on a path to BETTER.
* I’ve always had this theory that, if you help enough people get what they want, you’ll always get what you want.
* Information = Knowledge
* Knowledge = Wisdom
* Wisdom = Opportunity

Every day let’s remind ourselves that we are on a path to better. We are teaching and training students to work and to continue their education. We are hiring faculty and staff that will continue our legacy as an institution. We are improving and enhancing our curricula to meet current knowledge and skills and to prepare students for tomorrow. We are part of a larger community and world that we are making more sustainable, healthy, informed, and gratifying.

I am pleased that we are on this road together, and appreciate and support everything you do to strengthen our connections!

Sincerely,

Denise L. Ohler
Dean
Q: When did you graduate from Edinboro University, and what is your degree? Where did you attend for graduate studies and what are your degrees?

I graduated from Edinboro University in May 2015 with a Bachelor of Science in Speech and Hearing Sciences degree. For graduate school, I attended Hampton University in Hampton, Virginia and graduated with a Master of Arts in Communication Sciences and Disorders degree.

Q: Why did you choose Edinboro?

I transferred to Edinboro after completing two years at Gannon University. Edinboro was actually my first choice when I visited as a high school senior, but I ended up at Gannon since it was closer to home. When I decided to change my major to speech, I knew that Edinboro was where I wanted to be. I loved the campus and the small town feel of Edinboro.

Q: Who/what inspired you to pursue this field of study?

I actually didn’t start my college career in speech. I started out going for nursing, but my heart just wasn’t in it 100%. I shadowed a speech-language pathologist at Health South in Erie and was fascinated by what her job entailed. It was after shadowing that I knew I wanted to pursue a degree in speech.

Q: What clubs or extracurricular activities were you involved in during your time at Edinboro?

While at Edinboro, I was a member of the speech and hearing club and served as the Treasurer of this club my senior year. My senior year, I participated in the college quizbowl with three other classmates to represent the speech department. I also participated in a research study with one of my professors and presented our findings at the Pennsylvania Speech-Language Hearing Association (PSHA) convention in March 2015.

Q: How prepared were you for graduate study at Hampton University?

My education at Edinboro definitely prepared me for graduate level coursework at Hampton. I felt that I had an excellent foundational knowledge level, which was then used to make clinical decisions. I also formed many close relationships with my professors at Edinboro and have remained in touch with them. These professors were always willing to answer any questions that I had during my graduate studies.

Q: What are you currently doing with your degrees?

Recently I have moved back to Erie and I accepted a fulltime position as the speech-language pathologist at Niagara Therapy. I provide speech and language services to both pediatric and adult populations with various communication disorders.

Q: Any recommendations for aspiring Speech Language Pathologists?

For undergraduate students, my number one recommendation would be to get involved and start your resume early. Most graduate programs for speech have a very limited number of seats available, so you want your resume to stand out against others. Get involved in as much as you can in undergrad and form relationships with your professors. For graduate students, go into clinical placements with an open mind. You may think that you only want to work with children, or only work with adults, but you may fall in love with a completely different area of focus. As a new grad, I recommend finding a job and clinical fellowship supervisor which will provide you with mentorship and support throughout your clinical fellowship.

Q: What is your fondest memory of your time while attending Edinboro University?

My fondest memory of my time while attending Edinboro would have to be the relationships I made. Some of my greatest friendships came from Edinboro, as well as some of the best professional relationships.
CSHP 2015 Graduates Return to Edinboro

A couple of outstanding 2015 graduates visited campus this fall to share their current doctoral research and advice for current students interested in careers in science. Both expressed their strong foundation for graduate study and conducting research that they received at Edinboro University.

**Dominic Sirianni** (BS Chemistry/BS Math ’15/Honor’s Program) is a Ph.D. candidate in the School of Chemistry and Biochemistry at Georgia Institute of Technology, where he is working in theoretical and quantum chemistry. Dominic's research focuses on leveraging quantum chemistry to understand the influence of chemical environment on tuning non-covalent interactions in diverse systems, with applications ranging from structure-based drug design and molecular recognition to crystal formation and novel materials. Dominic is a President’s Fellow at Georgia Tech and was a 2016 Honorable Mention awardee for the National Science Foundation’s Graduate Research Fellowship Program.

**Noelle Jurcak** (BS Biochemistry ’15/Honors Program/Minors in Biology and Math) is a Ph.D. candidate in Cellular and Molecular Medicine at Johns Hopkins University School of Medicine, where she is studying the molecular mechanisms of perineural innervation and metastasis in pancreatic ductal adenocarcinoma. Noelle is also a Teaching Fellow at Goucher College, where she teaches and tutors students in analytical chemistry and biochemistry. Her talk is available on our YouTube site.

Want to be featured in the Newsletter?

Are you a CSHP alumna, current student, or faculty member?

Do you know someone who should be featured in this newsletter?

Examples of content include, but are not limited to:

1) New faculty brief bios or interviews
2) Student awards, honors, or scholarships
3) Faculty grants, publications, and/or presentations
4) Upcoming site visits by accrediting bodies (and reports after they leave)
5) Study or service abroad
6) Group and/or individual performance on licensing exams or graduate admissions
7) Lab or clinical facilities and equipment and how they are utilized
8) Upcoming alumni or other guest visits/presentations
9) New programs or curriculum updates
10) Profile of students and alumni
11) Student research or internship talks.

Contact cshp@edinboro.edu for more information!
Meet the Department Chairs of the College of Science and Health Professions

The College of Science and Health Professions is composed of nine academic departments: Biology and Health Sciences, Chemistry, Geosciences, Mathematics and Computer Science, Nursing, Physics and Technology, Psychology, Social Work, and Communication Sciences and Disorders.

Find out more about each of these department chairs below.

**Department of Biology and Health Sciences: Nina Thumser, Ph. D.**

Dr. Nina Thumser joined the Biology and Health Services Department at Edinboro University in 2004. She earned a Bachelor of Science in Biology from Virginia Tech, a Master of Science in Biology-Ecology from Florida Tech and a PhD in Biology from the University of Wisconsin-Milwaukee. In addition, she completed a sail and study program studying Humpback Whales in Greenland. Her research has included behavioral ecology studies on small mammals, humpback whales, manatees, and penguins. She has also supervised student research on a variety of topics including the fragmentation of small mammal populations, quality of wood duck habitat, crow behavior, genetic variation in black cherry trees, and the effects of glyphosate on soil organisms. Dr. Thumser has taught a variety of undergraduate and graduate courses at EU, Introduction to Biology, Human Biology, Principles of Biology, Genetics, Physiology and Anatomy I and II labs, Animal Behavior, Behavioral Ecology, and Ornithology. She also frequently teaches at Pymatuning Laboratory of Ecology in the summer. She also has served as the department’s Internship Director since 2005.

**Department of Chemistry: Janet Rogers, Ph. D.**

Prof. Janet Rogers is the current Chair of the Chemistry Department. Prior to joining the Edinboro faculty, she earned a BS Chemistry degree from Monmouth University, earned both MA and PhD degrees in Chemistry from Washington University, and was a Welch Postdoctoral Fellow at Texas Christian University. She teaches a diverse array of courses ranging from food science and laboratory safety to polymer chemistry, science literature, and forensic science. Her research interests include noncovalent intermolecular interactions and biopolymers. Most recently, her research has focused on formulation and testing of biopolymer films based on polysaccharides isolated from seaweeds. She is a member of the American Chemical Society (ACS) and several of its divisions. She now serves on the executive committee of the Erie Section of the ACS.

**Department of Geosciences: Brian Zimmerman, Ph. D.**

Dr. Zimmerman has been a faculty member at Edinboro University for 25 years and has served as the Chair of The Department of Geosciences for 12 years. He holds degrees in geology from Juniata College, Ohio State, and Washington State Universities. Dr. Zimmerman teaches Mineralogy, Igneous Petrology, and a variety of introductory geology courses including Geology of Our Nations Parks. Before coming to Edinboro, his primary area of research was the study of gold deposits in Oregon and Idaho. Due in part to a lack of gold in northwest Pennsylvania, Dr. Zimmerman has shifted his research to focus on the geologic history and environmental management of Edinboro Lake. He has served on the board of the Edinboro Lake Watershed Association since its founding in 2004.
Department of Mathematics and Computer Science: Anne Quinn, Ph. D.

Dr. Anne Quinn joined the Mathematics and Computer Science Department at Edinboro University in 1991. Since then, she has taught a wide variety of classes, including: Finite Mathematics, Statistics, Discrete Mathematics I and II, Actuarial Science Seminar, and graduate Number Theory. Her research, featured in the Mathematics Teacher journal (NCTM) and the College Mathematics Journal (MAA), includes: the mathematics of the game of SET®, research in the development of proof, graph theory, recreational mathematics, and incorporating mobile apps and statistical technology into the classroom. She is also a frequent speaker at national meetings such as the Joint Mathematics Meetings in January and Mathfest in the summer. After serving as Assistant Department Chair from 1999-2014, she became Department Chair in 2014. In this role, she is busy with department planning, hiring, and outreach to talented high school mathematicians and science students. These efforts include inviting hundreds of local students to campus twice a year, for Pi Day each March and STEM Day each October.

Department of Nursing: Thomas White, D.Ed.

Dr. Tom White is chair of the nursing department. He came to Edinboro University in 1995. He received a diploma in professional nursing (RN) from Jameson Memorial Hospital School of Nursing, New Castle, Pennsylvania in 1988. He completed his Bachelor of Science (BSN) in nursing from Edinboro University in 1994. He went on to complete a Master of Science (MSN) degree from Edinboro University in 1999 and was subsequently licensed as a family nurse practitioner (CRNP). He completed his doctoral degree in administration and leadership studies from Indiana University of Pennsylvania in 2006. In addition to his teaching responsibilities, Dr. White also maintains an active clinical practice at Saint Vincent Hospital in Erie, Pennsylvania. His clinical specialties include family medicine, occupational health, and emergency medicine. He’s been employed at Saint Vincent Hospital since 1989.

Department of Physics and Technology: Richard Lloyd, Ph. D.

Richard Lloyd came to Edinboro University in 2006. Before that he earned his PhD and MS degrees in Nuclear Physics at Iowa State University and a BS in Physics and Mathematics from Truman State University in Missouri. Prior to starting his college education, he spent six years in the U.S. Navy as a nuclear propulsion specialist being trained at the Naval Nuclear Power School in Orlando, FL and the nuclear prototype S1W plant at the Idaho National Engineering Laboratory. His professional career at Edinboro has concentrated in the areas of astronomy and renewable energy. He is a member of NWPAGE, and is engaged in multidisciplinary research in renewable energy with other EU faculty. He is an active contributor to a variety of environmental organizations including the Western Pennsylvania Conservancy, Sierra Club, National Resources Defense Council and many others. Other groups supported include the Council for Secular Humanism and UNICEF. Outside of professional interests, he reads widely, rides bicycles, occasionally sails, and enjoys living in Edinboro.

Department of Psychology: Gary Levine, Ph.D.

Dr. Levine grew up in the Maryland suburbs in-between Washington D.C. and Baltimore. After graduating with a B.S. degree in Psychology and in Electrical Engineering from the University of Maryland, he earned his Ph.D. in Social Psychology from Indiana University. His early research focused on thinking and decision making, but turned his attention to undergraduate student research where he has supervised over 120 different experimental research projects presented by students at undergraduate or professional conferences. He recently took over as chairperson in the Psychology department where he is committed to maintaining the department’s excellent reputation. He lives with his wife in Millcreek where they are raising their three children.

Department of Social Work: Elaine Rinfrette, Ph.D.

Dr. Rinfrette’s undergraduate degree in nursing is from the University of Rhode Island. She then received her MSW from Boston University and her PhD from the State University of New York at Buffalo. She has been at Edinboro University for six years. During that time she was the MSW program director for five years and then became chair of the department this summer. Dr. Rinfrette’s favorite courses to teach are the clinically oriented ones that include the social work department’s courses on trauma, on psychopathology, and on cognitive-behavioral therapy. She has several areas of research interest that are focused on secondary trauma, trauma-informed care, and chemical dependency recovery. This year Dr. Rinfrette was awarded a Fellowship sponsored by the National Institute on Alcohol Abuse and Alcoholism at Boston University’s Center for Addiction Research and the School of Social Work. In addition, Dr. Rinfrette received the honor of being the Social Worker of the Year in the Western New York division of the New York State National Association of Social Workers for 2017. Dr. Rinfrette lives with her family in nearby New York, which includes two sons, two dogs, and two cats. Dr. Rinfrette enjoys traveling, the beach, movies, reading, and having fun with friends.
Meet Our New Faculty

Dr. Kiarash Aramesh is an Assistant Professor in the Department of Biology and Health Sciences and Director of the Dr. James Drane Bioethics Institute. Dr. Aramesh completed his M.D. at Tehran University of Medical Sciences in Iran, and later earned a Ph.D. in Bioethics at Duquesne University in Pittsburgh. He has had extensive experience with medical bioethics, providing presentation, lectures and teaching individuals about this subject. Dr. Aramesh teaches a new course in bioethics to students pursuing careers in health professions, along with courses in human anatomy and physiology.

Dr. Janice Carello earned her doctoral degree from the University at Buffalo where she also earned her MSW degree and a Certificate in Trauma Counseling. Her research and advocacy focus on retraumatization in educational settings and on bringing a trauma-informed approach to higher education. She has published articles and presented trainings, talks, and workshops on trauma, trauma-informed practice, and self-care in a variety of professional settings. Recently she also started a Trauma-Informed Teaching and Learning blog. Dr. Carello has been teaching at the college level since 2001. Prior to becoming a social worker and social work educator, she earned a master’s degree in English and taught composition, creative writing, and literature courses. She observed early in her career that the students who were most likely to drop out, get bad grades, and have trouble adapting to college were those who had a trauma history or who experienced a traumatic event during their time in school. Her desire to do something to help such students succeed in college is what led her to change careers.

Dr. Kimberly Hardner is a proud 2003 graduate of Edinboro University’s BSW program. She worked in child welfare for five years and obtained a Master’s of Science in Social Administration degree from Case Western Reserve University in 2006. In addition to child welfare, she has worked as a supports coordinator for children and adolescents with Intellectual Disabilities; as a therapist and behavioral specialist consultant for children and adolescents diagnosed with Autism Spectrum Disorders; as well as a therapist for children who have experienced trauma. Dr. Hardner recently graduated from Kutztown University of Pennsylvania with a Doctor of Social Work in Leadership in Education. Dr. Hardner began teaching at Edinboro University in 2012 and teaches in both the BSW and MSW programs. Her research interests include: inclusive research with individuals with disabilities; trauma informed care; and, vulnerable populations in higher education.

Dr. Jeonga Kim earned a Ph.D. in Applied Language and Speech Sciences at the University of Louisiana at Lafayette and worked as an SLP at school setting and nursing home setting in Central Louisiana during her CF. Prior to joining studies of communicative disorders, she graduated with a Ph.D. from the department of English Language and Literature focusing on Linguistics at Chonnam National University, Gwangju, South Korea. In Korea, she taught English conversation and composition and discourse analysis. Her academic areas of interests include literacy and language development, spoken and written discourse, second language teaching and learning, and cultural diversity in narrative writing. Currently, she is expanding her research interest to gestures and learning, analyzing data with ELAN, a tool for annotating and transcribing audio or video recordings.

Dr. Amikumar Tayade is an Assistant Professor of Audiology in the Department of Communication Sciences and Disorders. He holds the Bachelor’s degree in Hearing, Language & Speech and Master’s degree in Audiology and Speech, Language-Pathology from Maharashtra University of Health Sciences, MH, India. He received his Ph. D. in Communication Sciences and Disorders from University of North Carolina, Greensboro (UNCG). Dr. Tayade received School of Health and Human Sciences Dissertation Research Funding Award for his research at UNCG. His research focuses on the neurophysiological aspects of tinnitus and electrophysiological measures in the human hearing system. Dr. Tayade teaches CSD courses such as Speech and Hearing Science (Study of the acoustics of sound and speech), Aural Rehabilitation (a course that focusses on re/habilitation of individuals with hearing loss) and Introduction to Audiology (overview of the profession of Audiology, etiologies of hearing loss, and assessment principles and technologies).
2018-2019 Faculty Promotions

Dr. Doug Puharic, Assoc. Prof.
Dept. of Math and Computer Science

Dr. Terry Astorino, Professor
Dept. of Nursing

Dr. Lee Ann Leech, Asst. Prof.
Dept. of Nursing

Dr. Michael Skelly, Professor
Dept. of Psychology

Dr. Christine Rine, Assoc. Prof.
Dept. of Social Work

Dr. Molly Wolf, Assoc. Prof.
Dept. of Social Work

Dr. Elaine Rinfrette, Assoc. Prof.
Dept. of Social Work

Dr. Gerry Hoffman, Professor
Dept. of Chemistry

Dr. Matthew Foradori, Professor
Dept. of Biology & Health Sciences
Julianne Pietras ’18, Pre-Medicine & the LECOM Medical School 4+4 Program

Julianne Pietras graduated summa cum laude in May 2018 with a B.S. in Biology: Pre-Medicine and the LECOM Medical School 4+4 program. Her selection into the LECOM 4+4 program as a sophomore was based on her academic success in high school and provided provisional admission to the LECOM medical school upon completion of her BS at Edinboro and a waiver of the MCAT requirement. Julianne has wanted to pursue a career in medicine at LECOM since she was in high school and hopes to ultimately become a pediatrician or neonatologist. Edinboro’s articulation agreements with LECOM in medicine, dentistry, and pharmacy offer great opportunities for Edinboro students.

Research Projects

Leah Pilewski (Pre-Veterinary Medicine) is working with Dr. Foradori (Biology and Health Sciences) to review the scholarly literature and determine the relationships between mitochondria (responsible for energy production within a cell) and aged canines. Additionally, she will be advocating for the importance of antioxidant supplementation in a canine diet.

Under Dr. Lindeman’s (Biology and Health Sciences) advisory, Jelena Vucenovic (Pre-Physician Assistant) is studying the eating habits of several species of turtles in the Southeastern region of the United States to determine whether they will soon become endangered.

Morgyn Sharp (Human Performance) is working with Dr. Fulford (Biology and Health Sciences) to research infection-causing agents and how they behave in different environments. She will also explore different methods for preventing the spread of pathogens.

2018 Summer Internships

Emari Williams
Advanced Surgeons Medical Group
Valhalla, NY

Marie-Chantal Zorblewu
Greater Accra Regional Hospital
Ghana

Not pictured:
Danielle Chatten, Trinity Cardiology, Orchard Park, NY
McKenzie Craig, Northwestern Area Health Center, Albion, PA
Biology Alum, Dr. David Montefiore (’78), presents at Edinboro University

On September 27, 2018, we were honored to welcome 1978 Biology alum Dr. David Montefiore and current Duke University Medical Center Professor and Director of the Laboratory for AIDS Vaccine Research and Development, for a presentation on a path to a vaccine for HIV. See the Facebook Live link here.

Dr. Montefiori’s major research interests are viral immunology and HIV vaccine development, with a special emphasis on neutralizing antibodies. One of his highest priorities is to identify immunogens that generate broadly neutralizing antibodies for inclusion in vaccines. Many aspects of neutralizing antibodies are studied in his laboratory, including mechanisms of neutralization, viral escape from neutralization, epitope diversity among the different genetic subtypes and geographic distributions of the virus, broadly neutralizing epitopes, and the requirements to elicit broadly neutralizing antibodies by vaccination. Over the years he has explored multiple technologies for measuring neutralizing antibodies and other potential antiviral antibodies, focusing on assay optimization, standardization, validation and high throughput. The scope of his research covers HIV infected people and nonhuman primate models of simian immunodeficiency virus (SIV) and simian-human immunodeficiency virus (SHIV) infection. Dr. Montefiori also directs a large vaccine immune monitoring program that operates in compliance with Good Clinical Laboratory Practice and has served as a national and international resource for standardized assessments of neutralizing antibody responses in preclinical and clinical trials of candidate HIV vaccines since 1988. He currently directs the Core Neutralizing Antibody Laboratories for the HIV Vaccine Clinical Trials Network (HVTN), the NIH Preclinical HIV Vaccine Program, the Center for HIV/AIDS Vaccine Immunology- Immunogen Design (CHAVI-ID) and the Duke Center for HIV/AIDS Research (CFAR). He also directs a large Comprehensive Antibody Vaccine Immune Monitoring Consortium (CAVMIC) as part of the Bill and Melinda Gates Foundation’s Collaboration for AIDS Vaccine Discovery (CAVD). He has published over 600 original research papers that have helped shape the scientific rationale for antibody-based HIV vaccines. He has been the recipient of more than $100M in research grants from the NIH, NSF, Gates Foundation, and other sources.
Successful internship experiences celebrated!

Chemistry students who completed internships in chemistry, biochemistry, or forensic science this past summer recently presented their experiences at this year’s annual spaghetti dinner sponsored by the Bunsen Society. They are (L-R): Jacob Baumgartner (Massachusetts State Police), Zachary Drake (Miami University), Ashley Moore (West Virginia University), Isabella Keeler (Unilever), Angela Mosebarger (West Virginia University), and Sadie Brown (Test America). These experiences provided terrific opportunities to gain knowledge and skills (and confidence) that will better prepare them for graduate school or industry.

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<tr>
<th>Occupation</th>
<th>Job Growth through 2026</th>
<th>2017 Median Salary</th>
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<tbody>
<tr>
<td>Biochemist</td>
<td>11% (3600)</td>
<td>$91,190</td>
</tr>
<tr>
<td>Chemist &amp; Material scientist</td>
<td>7% (6300)</td>
<td>$76,280</td>
</tr>
<tr>
<td>Pharmacist</td>
<td>6% (17,400)</td>
<td>$124,170</td>
</tr>
<tr>
<td>Physicians &amp; surgeons</td>
<td>13% (91,400)</td>
<td>&gt; $208,000</td>
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EDINBORO, Pa. – Erie resident Nicole Wagner, who graduated summa cum laude with a Bachelor of Science in Chemistry and a concentration in Biochemistry, represented the Class of 2018 during Edinboro University’s undergraduate commencement ceremony on May 12.

Wagner discussed her upbringing in a blue-collar neighborhood and finding a science career path – despite coming from a cyber charter school and never setting foot in a science lab before college.

“During my time at Edinboro, I have accomplished more than I ever thought I could – but I didn’t do any of it on my own,” said Wagner, who is now on path to pursue a Ph.D. in biochemistry. “The community I discovered in the Chemistry Department ended up being a place where I was finally in my element. It’s a place of inspiration, friendship, mentorship, collaboration and opportunity. It is home.”

Wagner was named 2015 Outstanding First Year Chemistry Student by the American Chemical Society, Erie Local Section. She received the 2016 Organic Chemistry Award from Edinboro’s Department of Chemistry and the 2018 College Chemistry Award from the Society for Analytical Chemists of Pittsburgh.

She has been employed as a laboratory assistant in the Chemistry Department for four years. For two summers, she earned competitive positions in the National Science Foundation’s Research Experience for Undergraduates program. She spent one summer at the University of Minnesota and the other at North Carolina State University, participating in immersive biochemistry research experiences alongside faculty and graduate students.

Wagner also participated in independent biochemistry research during her final year at Edinboro, and took second place in the College of Science and Health Professions Division at the 5th Annual Celebration of Scholarship.

Recently, the Cleveland Regional Section of the Society for Applied Spectroscopy awarded Nicole the 2018 Ernest B. Yeager Award for Outstanding Undergraduate Research.

She will begin her studies toward a Ph.D. in Biochemistry at the Ohio State University in the fall. She was awarded a Dean’s Distinguished University Fellowship from Ohio State’s Graduate School – a competitive fellowship based on her undergraduate record.

She is the daughter of James and Carol Wagner, of Erie.

Watch the student address, here.
Jenna DiGiammarino appointed as representative to PA Speech-Language-Hearing Association

Jenna DiGiammarino has been appointed as the student representative to the Pennsylvania Speech-Language-Hearing Association. She earned a BS in Speech and Hearing Sciences in May ’18 and was an active leader for a variety of organizations during her study at Edinboro.

Jenna has begun working on a master’s degree in speech-language pathology at Edinboro this fall.

EUP ‘18, Speech & Hearing Sciences student pursues next milestone

Sydney Trathen (‘18, Speech & Hearing Sciences) is beginning her next journey as an audiology graduate student at NOAC (Akron/Kent State Consortium).

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<tr>
<th>Profession</th>
<th>Job Growth</th>
<th>Median Salary</th>
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<tbody>
<tr>
<td>Audiologist</td>
<td>21%</td>
<td>$75,920</td>
</tr>
<tr>
<td>Speech-Language Pathologist</td>
<td>18%</td>
<td>$76,610</td>
</tr>
</tbody>
</table>
Recently retired EU Professor, Dr. Kidane-Mariam, receives Lifetime Academic Achievement Award

Dr. Tadesse Kidane-Mariam received the Lifetime Academic Achievement Award for Distinguished Teaching and Public Service at the Annual Africa Conference at Tennessee State University, in April, where he was a 2018 conference speaker. Dr. Kidane-Mariam is a retired Professor of Geography at Edinboro University of Pennsylvania. His areas of specialization include human geography, environmental management, urban development and housing, and national, urban, and regional planning and sustainable development.

Dr. Kidane-Mariam obtained his PhD from the University of Iowa, in Geography, with a concentration in Environmental Policy and Sustainable Development. Housing, national planning, urban management, urbanization, population, sustainable development, and environmental management in Ethiopia as well as the rest of Africa. In addition, Dr. Kidane-Mariam has a long history of service with the Ethiopian government, as well as with a number of international organizations.

Research

Teresa Shields (Middle Education) is working with Dr. Ghosheh (Geosciences) to conduct a project where she will get to explore her passion for the French culture in the context of Human Geography. She will research the French influence in New Orleans and Quebec.

Fly Fishing Club Student Research

Among the many terrific student organizations available is the Fly Fishing Club, which began in 2017. Hunter Klobuchar is a sophomore Geology major and an officer for the club, along with junior Tyler Waltenbaugh. They spent much of the summer doing research on brook trout in Pennsylvania streams and presented their documentary video in Bellefonte, PA and here at Edinboro.

For more information on joining the club, see faculty advisor, Dr. Dale Tshudy.
Edinboro Planetarium celebrates 50 years of academic entertainment

Written by Office of Communications and Marketing

Neil Armstrong and his Apollo 11 crew landed on the moon during the historic NASA flight in July 1969.

One year earlier, Edinboro University already had its eyes to the skies with the expansion of the campus planetarium. In 1968, Cooper Science Center was expanded to include a brand new planetarium and observatory.

This anniversary of the expansion is one of the highlights for this fall’s season at Edinboro University Planetarium, which kicked off Sept. 5, and continues with a full schedule of shows through December.

“For the last five decades, we have been providing informational entertainment to all audiences, from curious children to lifelong learners,” said Jacob Salis, Edinboro geosciences student who presents the Planetarium shows with Dr. David Hurd, the planetarium director. “All of the knowledge and history from the last 50 years will be on display during another exciting season.”

Fall 2018 Edinboro Planetarium Schedule:
Tuesday, Nov. 27, 7 p.m.: “Laser Christmas” – Join us as we celebrate the season with music from Mannheim Steamroller put to laser light. We will also highlight the seasonal constellations.

Tuesday, Dec. 4, 6 and 7:30 p.m., Wednesday, Dec. 12, 6 p.m.: “Star of Wonder” – Our annual Christmas show is a favorite. Why do we celebrate winter when we do? Why do Christians celebrate Christ’s birth on Dec. 25? Why does Santa go south for the winter? Are any of these related? Sign up for this program and enjoy the Christmas season with the Edinboro University Planetarium.

All Edinboro Planetarium shows, which will be held in Cooper Science Center Room 169, are free and open to the public, but reservations are required. Please use the online registration form at www.edinboro.edu/planetarium, or call (814) 732-2493 and indicate the number of seats you need, your last name and email address.

The Planetarium also offers free educational programming to schools through scheduled field trips. In addition to the planetarium programs, students have access to Cooper Science Center’s natural history museum and the pendulum area when visiting.

For more information about the planetarium or other educational opportunities, visit www.edinboro.edu.

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<tbody>
<tr>
<td>Cartographers &amp; Photogrammetrists</td>
<td>19% (2400)</td>
<td>$63,990</td>
</tr>
<tr>
<td>Conservation scientists and foresters</td>
<td>6% (2000)</td>
<td>$60,970</td>
</tr>
<tr>
<td>Environmental scientists</td>
<td>11% (9900)</td>
<td>$69,400</td>
</tr>
<tr>
<td>Geoscientists</td>
<td>14% (4500)</td>
<td>$89,850</td>
</tr>
<tr>
<td>Hydrologists</td>
<td>10% (700)</td>
<td>$79,990</td>
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Edinboro University game design track ranked among best in Pennsylvania

Written by Office of Communications and Marketing | Published June 14, 2018

EDINBORO, Pa. – For the fifth consecutive year, Edinboro University’s Game and Virtual World Development track was ranked among the top programs in Pennsylvania.

Animation Career Review, a leading source of information and rankings in the game design sector, granted Edinboro the No. 5 spot in the Top 5 Game Design Schools and Colleges in Pennsylvania - 2018 list. An award-winning program in just its seventh year at Edinboro, the rigorous program prepares students to face the challenges of this rapidly growing field.

“Edinboro offers students the unique experience of taking classes from our top-notch computer science and art departments,” said Dr. Anne Quinn, chairperson of the Department of Mathematics and Computer Science. “I am pleased to see our program was recognized as being one of the top programs in the field.”

Game design students complete general coursework in the computer science, mathematics and physics curricula to prepare for a variety of careers such as game developers and engineers, game programmers, and modeling and simulation development. In addition to being one of the most rigorous tracks in the Math and Computer Science Department, the Game and Virtual World Development track intersects with the Art Department, with required art courses such as three-dimensional design, traditional animation and computer animation.

EU’s computer science prospectus includes a theoretical track that received national accreditation from the Accreditation Board for Engineering and Technology (ABET).

Across the U.S., there is an increased demand for animation and visual effects in everything from sophisticated video games to movies to corporate presentations. Jobs in this field are expected to grow 10 percent annually – faster than most other occupations between now and 2026.

Grades with Edinboro’s math and computer science background have worked for Fortune 500 companies across the United States. Daniel Taylor, ’08, worked as a software development engineer at Amazon before landing a job as a software engineer for iStreamPlanet. Nathan Christy, ’06, started his career as a software engineer intern at Erie Insurance. He then specialized in automated test infrastructure and development at Google before becoming a software developer at Susquehanna International Group (SIG) in Philadelphia.

Animation Career Review considers Edinboro University’s academic reputation, admission selectivity, depth of program and faculty, tuition value and the program’s geographic location in the annual game-design rankings.

ACR also ranked Edinboro University No. 57 in the Top 94 Public Animation Schools and Colleges in the United States and No. 14 among the Top 25 Animation Schools and Colleges on the East Coast for 2018.

For more information about EU’s Mathematics and Computer Science Department and the Game and Virtual World Development track, visit www.edinboro.edu/game-design.
Math and Computer Science (MACS)

Women’s Networking Group

This group was started a year ago to provide an opportunity for the women majoring in STEM fields to interact and connect with each other.

Typically, we will meet once a month over the lunch hour, so feel free to bring a lunch to the meetings as well.

In the past, the group has discussed job searching and career options for STEM majors and also some of the challenges faced by women, including "imposter syndrome".

**October 17th:** We will be discussing some research opportunities for the Women’s Philanthropy Council. We will also decide on when we would like to schedule a few social events including: a trip to the Buffalo farm corn maze, a paint night, a game night, a movie night, etc.

**November 7th:** Radha Kaipa, the Director of Software Delivery Platforms at GE Healthcare, will be conferencing into our meeting to discuss her career path, academic/career advice and challenges she has faced in the workforce as a woman in the computer science field.

**November 28th:** Monica Clem (Executive Director) and Peter Ostrander (Assistant Director) of the Center for Career Development and Experiential Learning will be joining us to discuss job searching, resume writing, interviewing skills and scholarships for STEM majors.

The group meets from noon-1pm in Ross Hall, Room 139.

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Job Growth through 2026</th>
<th>2017 Median Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Actuary</td>
<td>22% (5300)</td>
<td>$101,560</td>
</tr>
<tr>
<td>Computer network architect</td>
<td>6% (10,500)</td>
<td>$104,650</td>
</tr>
<tr>
<td>Computer support specialists</td>
<td>11%</td>
<td>$52,810</td>
</tr>
<tr>
<td>Computer systems analyst</td>
<td>9% (54,400)</td>
<td>$88,270</td>
</tr>
<tr>
<td>Database administrator</td>
<td>11%</td>
<td>$87,020</td>
</tr>
<tr>
<td>Information security analyst</td>
<td>28% (28,500)</td>
<td>$95,510</td>
</tr>
<tr>
<td>Mathematician &amp; Statistician</td>
<td>33% (13,500)</td>
<td>$84,760</td>
</tr>
<tr>
<td>Network &amp; Computer system administrator</td>
<td>6% (24,000)</td>
<td>$81,110</td>
</tr>
<tr>
<td>Software developer</td>
<td>24% (302,500)</td>
<td>$103,560</td>
</tr>
<tr>
<td>Web developer</td>
<td>15% (24,400)</td>
<td>$67,990</td>
</tr>
</tbody>
</table>
Photos from a recent MACS gathering. Pot-luck and Paint Night!

Former Edinboro University Math Graduate
Trevor Harris

Edinboro Graduate
Trevor Harris
100 Touchdowns in the Canadian Football League
+ 100+ touchdowns for the Fighting Scots = Exceptional QB
Nursing Students and Faculty Participate in 2018 Homecoming Activities

The Student Nurse Organization of Edinboro (SNOE) participated in the 2018 Homecoming Parade.

Homecoming Honors

Courtney Weber and Nathan McKinney were on homecoming court and received first runners up. Congratulations!

Around the Nursing Department

Research

Kayci Clouse (Nursing) is working with Professor Forringer (Nursing) to write a research paper that connects mental health and malnutrition. She will focus on eating disorders and recovery, healthy exercise and nutrition, and diets that can prevent malnutrition.

Nursing Department State Board Pass Rates:

<table>
<thead>
<tr>
<th>Year</th>
<th>Pass Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>91.7%</td>
</tr>
<tr>
<td>2016</td>
<td>91.0%</td>
</tr>
<tr>
<td>2017</td>
<td>95.0%</td>
</tr>
</tbody>
</table>

The current pass rate of Edinboro BSN graduates (10/17-10/18) on the NCLEX is 92.06%. This is nearly 4 percentage points above the national average and the fourth year in a row above 90%.

Congratulations!

Prof. Andrea Chelton (in the plaid skirt) participated in the Kilted Mile Race!
She is pictured with her son, Bryce, Dr. Tom White, and Nursing Dept. Secretary, Dana Kelly.
Nursing Simulation Lab: assessing skills and high risk scenarios

Left: Nursing students, Kaitlyn Dunn and Megan Millard

Right: Taylor Bender, Sahara Blair, and Megan Sheehan, work on a heroin overdose simulation.

Upcoming Dominican Republic Trip

Dr. Viki Hedderick and Prof. Beth Gillette of the Dept. of Nursing, are leading a group of health & human services students to the Dominican Republic in March, 2019.

SCHOLARSHIPS

Congratulations to nursing students, Ashley Corwin (BSN sophomore) and Grace Boyle (Innovative Nursing) for receiving scholarships from the Hamot School of Nursing Alumni Association. The association awards the scholarships to two students who they feel exhibit outstanding performance in the clinical setting and unwavering commitment to the field of nursing.

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Job Growth through 2026</th>
<th>2017 Median Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nurse practitioner</td>
<td>31% (64,200)</td>
<td>$110,930</td>
</tr>
<tr>
<td>Registered nurse</td>
<td>15% (438,100)</td>
<td>$70,000</td>
</tr>
</tbody>
</table>
Dr. Jeffrey Astbury, Physics Alumni  
by Rick Chernicky

Coming from a long line of engineers, Dr. Jeffrey Astbury always had a knack for thinking beyond the norm. The once young man would leave his home in Mount Lebanon, heading to Edinboro University. And it was Edinboro where he set the stage for his career, along with a habit for diverging his studies.

While pursuing his physics degree, Astbury spent a significant amount of his free time playing football during his sophomore and junior years at Edinboro. Although he was physically in his prime, there was research beyond athletics that drove him to where he stands today.

“I was not a traditional pre-med student. I was really more focused on engineering,” said Astbury, the current vice chairman for cardiovascular services in the department of anesthesiology and the director of perioperative echocardiography at the Butler Health System.

Before he committed to a profession, Astbury showed interest in engineering and medicine, a pattern he described as somewhat of a struggle because he had difficulty pursuing a particular practice due to the wandering nature of his intellect.

Astbury described Dr. Benjamin Lowenhaupt, a former professor at Edinboro, as a significant figure in his molding years. Together, the two worked diligently on researching theoretical electrical physiology. Even after Astbury’s graduation in 1980, he still served as a research assistant to Lowenhaupt in the department of biology, where Astbury developed computer graphics and simulations for the electrogenic theory of electrically excitable cell membranes.

From Edinboro, Astbury pursued his master’s degree in electrical engineering at the University of Pittsburgh, followed by a second master’s degree in bioengineering at the University of Pennsylvania. When asked how the jumps in his educational pursuit tied together, Astbury said, “My path was longer, but it was all very beneficial.”

At age 30, Astbury found himself in medical school, where he was beginning to realize that anesthesiology was his passion. However, it wasn’t until he was overseeing a heart transplant that he found himself drawn to the particulars of being an anesthesiologist. Astbury’s calling to this practice dealt with the mixture of medicine and physiology, which sparked his curiosity because his pursuit in various fields was beginning to come to a crossroads.

Today, Astbury functions primarily as a cardiac anesthesiologist, which means that he makes it possible to conduct surgery safely through his expertise in anesthesiology.

Through his academic career, Astbury has taught 15 courses at a Penn State branch campus during a span of three years, and has also been certified four times by the National Board of Echocardiography, a leading medical association in the U.S. This association has only certified 14 other people four times for their efforts in echocardiography.

With a wife (Kimberly), and four sons (Matthew, Ryan, Benjamin and Bradford), plus a hectic work schedule, he still finds time for coaching little league baseball, doing home maintenance, woodworking and keeping up with yard work. Astbury went on to describe how he finds yard work and home maintenance relaxing, in contrast to his everyday schedule.

Astbury explained that he wouldn’t be where he is now without his experience at Edinboro, and to this day he does research on heart valves to keep himself busy. This is a rapidly changing practice, and he’s been staying fluid with the ever changing nature of the medical field.

Rick Chernicky can be reached at eupnews.spectator@gmail.com.

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Job Growth through 2026</th>
<th>2017 Median Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Airplane pilot</td>
<td>4% (4400)</td>
<td>$111,930</td>
</tr>
<tr>
<td>Civil engineer</td>
<td>11% (32,200)</td>
<td>$84,770</td>
</tr>
<tr>
<td>Line installers and repairers</td>
<td>8% (18,400)</td>
<td>$64,190</td>
</tr>
<tr>
<td>Mechanical engineer</td>
<td>9% (25,300)</td>
<td>$85,880</td>
</tr>
<tr>
<td>Physicist &amp; Astronomer</td>
<td>14% (2800)</td>
<td>$117,220</td>
</tr>
</tbody>
</table>
Edinboro University’s Joseph Ray (Psychology ‘18) received American Polygraph Association’s Scholarship

Congratulations to Joseph Ray (Psychology ‘18) for receiving the American Polygraph Association’s William Yankee Scholarship! He is currently attending the PEAK Credibility Assessment Training Center in Cape Coral, Florida to study polygraph testing. During his education at Edinboro University, Joe conducted research on polygraph testing with Dr. Ron Craig, which led to multiple conference presentations and a publication.

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Job Growth through 2026</th>
<th>2017 Median Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Human Resource specialist</td>
<td>5% (38,900)</td>
<td>$58,350</td>
</tr>
<tr>
<td>Human resource manager</td>
<td>9% (12,300)</td>
<td>$104,440</td>
</tr>
<tr>
<td>Market research analyst</td>
<td>19% (138,300)</td>
<td>$62,150</td>
</tr>
<tr>
<td>Marriage and family therapist</td>
<td>23% (9700)%</td>
<td>$48,790</td>
</tr>
<tr>
<td>Psychologist</td>
<td>14% (23,000)</td>
<td>$77,030</td>
</tr>
<tr>
<td>Rehabilitation counselor</td>
<td>13% (15,100)</td>
<td>$34,860</td>
</tr>
<tr>
<td>Schools and career counselor</td>
<td>13% (36,700)</td>
<td>$55,410</td>
</tr>
<tr>
<td>Social and community service manager</td>
<td>18% (26,500)</td>
<td>$64,100</td>
</tr>
<tr>
<td>Substance abuse, behavioral, and mental</td>
<td>23% (60,300)</td>
<td>$43,300</td>
</tr>
<tr>
<td>Training and development managers</td>
<td>10% (3600)</td>
<td>$108,250</td>
</tr>
<tr>
<td>Training and development specialist</td>
<td>11% (32,500)</td>
<td>$60,360</td>
</tr>
</tbody>
</table>
Edinboro Graduate Students Attend National Organization of Forensic Social Work

Three Edinboro MSW graduate students co-presented their research at the National Organization of Forensic Social Work in New Orleans this summer with Drs. David Pugh and Elaine Rinfrette. Whitney Allen’s poster addressed initiatives intended to inform service providers about prison inmates. Amy Weaver and Katrina Putnam’s poster addressed using a university partnership to enhance community forensic services in a rural area.

(L-R): Dr. David Pugh, Katrina Putnam, Amy Weaver, Whitney Allen

2018-2019 Conference Presentations


<table>
<thead>
<tr>
<th>Occupation</th>
<th>Job Growth through 2026</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Social and community service manager</td>
<td>18% (26,500)</td>
<td>$64,100</td>
</tr>
<tr>
<td>Social worker</td>
<td>16% (109,700)</td>
<td>$47,980</td>
</tr>
</tbody>
</table>

Edinboro’s Online MSW
Ranked #20
Update from Biology Alumnus

Christian Gehmen (’17 Biology: Environmental Science) is a biologist observer for Saltwater Inc. and works primarily on fish and crab vessels in the Gulf of Alaska and the Bering Sea. He measures and records various biological information about his boat’s catch, along with marine mammals and birds. These data are shared with the National Oceanic and Atmospheric Administration (NOAA) and other organizations to help manage the fisheries in Alaska and determine the health and size of fished populations.

Outstanding Arizona Biology Teacher

Jeremy Jonas, an Edinboro Biology/Pre-med alum (’06), received the 2018 Arizona Outstanding Biology Teacher Award by the National Association of Biology Teachers, in conjunction with Carolina Biological Supply Co. The award recognizes teachers who have made invaluable contributions to the profession. Criteria for this award include innovation, initiative, positive student-teacher interactions, and collaboration within the school and community. The award has been given annually since 1961, to a teacher from each state.

2018 Biochemistry Graduate

CSHP graduate Joel Lohr (’18) became the ninth Edinboro University student to ever receive the prestigious NCAA Postgraduate Scholarship. He was one of 29 recipients for men’s spring sports from colleges and universities affiliated with all three NCAA divisions. Joel earned a BS in Biochemistry, with minors in Biology and Psychology, and was the team captain and highest GPA for the men’s track and field team. He was admitted to the West Virginia College of Medicine for Fall 2019.
“My first research project was under the guidance of my undergrad research advisor, Dr. Matthew Foradori where I worked on zymogram profiles of select digestive fluid from several populations of *Argiope aurantia* (the black and yellow garden spider). I was also a member and treasurer of CHAOS- Cooper Hall’s Ambassadors of Science- which enabled me to teach kids and locals about science and in doing this, I discovered my love of teaching. I began as a PhD student at the University of Maryland, Baltimore in August 2015 in the Molecular Microbiology and Immunology Program. After two years of intense classes, I passed my oral qualification examination in June 2017, officially advancing to PhD candidacy. In May of 2016 I joined my thesis lab where I have worked under my mentor, Eileen M. Barry PhD who belongs to UMB’s Center for Vaccine Development. Our lab works on developing vaccines against bacterial pathogens, including the enteric pathogens *Shigella* and ETEC, and the Select Agent *Francisella tularensis*. My project involves vaccine development against *F. tularensis*, a Tier 1 pathogen of interest for bioterror countermeasure development. This causes the zoonotic disease Tularemia which has a 30-50% mortality rate if left untreated. Vaccine candidates engineered with specific mutations for attenuation, as well as the immunogenicity of vaccine candidates, are currently being evaluated. My interests lie in vaccine development as well as in biodefense, and luckily my project allows my two interests to intersect.”

“After I earn my PhD, my goal is to work for a vaccine organization, such as GAVI the vaccine alliance, or for the World Health Organization, where I would love a position traveling back and forth to Africa in support of vaccine development and delivery. My love for Africa began when I went on an EUP study abroad trip with Dr. Lou Rebar (African Conservation Experience), and everything I do is working to get back to Africa, where I left my heart. Eventually I would like to teach college science classes full time, maybe somewhere like Edinboro, as it will always hold a special place in my heart. Edinboro was the beginning of my scientific career, and I wouldn’t be where I am today without the support of Dr. Matt Foradori and Dr. Lou Rebar from the Biology department. From the time I took their classes to present day, they have been exemplary advisors and constant sources of support, with whom I keep in very close contact. Thank you Edinboro!”
CSHP Featured Professor

Dr. Anne Quinn

Q: How long have you taught at Edinboro University, and what are some of the things that you enjoy most about teaching here? I joined the Mathematics and Computer Science Department at Edinboro University in 1991. Since becoming Department Chair in 2014, I teach fewer classes. Normally, I teach Finite Mathematics to general education students in the fall, Discrete Mathematics II to our majors in the spring, and Elements of Statistics in the summer. This way I get to teach all of my favorite subjects.

I like so many things about Edinboro: The Math/CS Department is one of the best departments in which I have participated. We take all of our responsibilities seriously, and we work well together as a team. My students are always very nice and eager to learn. Many are the first in their family to finish college, and their successes are inspiring. And I enjoy living in one of the safest college towns in the country.

Q: What are some of the goals that you have for your students and/or department? Since Finite Math is likely to be both the first and last college math class some students take, I try to cover all of the areas of math they may need in the future, such as statistics and financial decisions.

I find it satisfying when students tell me that the class helped them buy a car, refinance a house, or get control of their money management. When I teach Elements of Statistics – a more advanced general education course—I try to get students to apply hypothesis testing to their major and their hobbies. For our major students, we are working on continuing to prepare them for top-ranked jobs in Computer Science, Mathematics, and Actuarial Science. Recently we expanded our Web track to include Mobile App Development. This fall, we are adding a Data Analytics degree. As students with math and computer skills are highly sought in the workplace, most likely there will be additional tracks in the future.

Our department continues to do a lot of outreach to talented high school mathematics and science students. These efforts include inviting hundreds of local students to campus twice a year, for Pi Day each March and STEM Day each October.

Q: Why did you decide to go into the math profession? Did you ever consider another field of study or career? In my elementary school, the math curriculum was self-paced. I went through two years of math in first grade and have liked it ever since. The first year of college I planned to be a high school math teacher, until I found out that full scholarships were available for graduate school for those with high GPAs. I started tutoring calculus in college and knew I wanted to become a college professor.

Q: What publications/projects/research are you currently involved with, and would you like to expand in these areas? My research includes: the mathematics of the game of SET®, research in the development of proof, graph theory, recreational mathematics, and incorporating mobile apps and statistical technology into the classroom. Some of my articles are inspired by things I discuss with my children. I got a Facebook and a Twitter account to keep up with what my son was doing on social media. He helped me figure out how the platforms differed from each other, and I quickly became more interested in the math behind the one and two-way relationships on these platforms than any of the content. I also have a geometry article coming out soon that was based on some technology I showed him when he was taking this course.

Another upcoming article on the SoLo Learn programming app was developed as I prepared a talk on the Hour of Code for Fairview Middle School. Most of my recent Mathematics Teacher and College Mathematics Journal articles are in their technology sections. New educational apps come out all of the time, which give me an endless supply of ideas. I have enjoyed going to a few national conferences recently. At one, I got to play SET® against the international champion of SET®, a game about which both the champion’s mother and I have both published. She beat me, of course, but I was excited to come in second that day.

Q: Do you think that it is important to have other interests outside of your career focus? If so, how do you meet this need in your own life? With two children at home, I keep busy. It can be hard to find time for everything. My middle-school daughter has attended several national math conferences with me. She likes to meet the famous mathematicians and wants to be a math teacher too.

Further information: Two of Dr. Quinn’ s articles from Mathematics Teacher are listed in the Faculty Publications & Grants section of this edition of the CSHP Newsletter. Her 2018 “Social Media Mathematics” article from Mathematics Teacher is featured in the Wiley display case.
Camp Allegany

October 4th – 6th 2019

Highlands 5 - Floors 3 & 4 - STEM LLC

Join us for a camping excursion/getaway to Camp Allegany in Salamanca, NY! There will be food, games, and prizes! Spaces are limited!

Cost to attend is $20 – a $5 deposit is needed by November 30th 2018. If you pay the full $20 in advance, you will be entered to win a $20 John Wildwood Pizzeria Gift Certificate!

Please RSVP to Melanie Baker or Amanda Porter by November 30th, 2018.

mbaker@edinboro.edu or aporter@edinboro.edu
150 local high school students from Cambridge Springs, Maplewood, Conneaut, General McLane, and Perseus visited campus. Volunteers from STEM disciplines at Edinboro University used Reading Day to guide visiting students in activities in Biology, Chemistry, Physics, Geoscience, Mathematics, Computer Science, Data Analytics, and Psychology.

Faculty Publications

**Dr. Anne Quinn, Mathematics and Computer Science Department**


For more information on the College of Science and Health Professions, following us on our social media sites!

#CSHPproud #GoBoro

EdinboroCSHP
CSHP Awards & Recognitions

EU’s highly regarded MSW program earns new Recognitions
Written by Office of Communications and Marketing

Edinboro University’s much-lauded Master of Social Work program received a top-10 national ranking in the 2017 Top Online MSW Programs list – based entirely on feedback from students and graduates.

One former Edinboro student touted the university’s challenging curriculum and the competitive nature of the program. The reviewer noted: “I found the tuition to be affordable, the staff to be personal and empathetic… If that’s what you’re looking for, Edinboro is a great choice.”

The online MSW, one of Edinboro University’s most in-demand graduate programs, is also one of the University’s most frequently and highly ranked.

Additional rankings that recognize the program’s value and quality include:

- #5 in GradSource.com’s ranking of Top Online Schools: Master’s In Social Work, based on tuition, flexibility, and student success.
- #7 in Top Graduate Schools for 2016 by GraduatePrograms.com, a website of educational publisher SR Education Group.
- #11 in Nonprofit Colleges Online’s Students Before Profits Award rankings for Best Online Master’s of Social Work 2015-16.
- #6 in Top 20 Accelerated Online Master of Social Work Degrees 2017 by College Values Online.

Nursing at EU ranked among region's best programs
Written by Office of Communications and Marketing

Edinboro University’s nursing program was recognized among America’s Best Nursing Programs in the East in new rankings announced by NurseJournal.org. The ranking of nearly 1,200 programs was compiled by NurseJournal.org, which identifies itself as a “Social Community for Nurses Worldwide.” Its mission is to educate, inform and share.

Find out more here.

MSW Program #20 in Nation in Affordability
Written by Office of Communications and Marketing | Published September 13, 2017

This ranking was awarded by Affordable Colleges, an educational ranking organization that researches the affordability of programs offered by higher education bodies throughout the nation. According to Affordable Colleges, Edinboro’s Master of Social Work program “stood out in both quality and affordability.”

Find out more about the ranking here.

EU, partner #4 in Most Affordable Online Nursing List
Written by Office of Communications and Marketing

Online nursing programs offered by Edinboro University in consortium with Clarion University ranked 4th in OnlineU.org’s list of the 25 most affordable schools offering online nursing degrees. According to the website, the list “presents economical options for students looking for nursing training online. Edinboro and Clarion offer Master of Science in Nursing – Family Nurse Practitioner and Doctor of Nursing Practice degrees online.”