Inventory of items contained within this fine book: Microprocessors, homeland security, pop-punk bands. The Pandora Building, deep-sea bacteria, parodies of Star Wars. Microbial genomics, social justice, serious a cappella competitions. So much more, so much more.
This inventory was taken at the edge of possible, also known as the University of New Hampshire at Manchester, also known as the kind of place that empowers you to achieve your dreams.

We think on our feet, we see past obstacles, and we learn from (and through) experience. We’re home to one thousand motivated, collaborative, results-oriented students, dozens of inspiring, inventive, exceptionally accessible faculty, and more than 30 student-centered majors in fields that respond to the world’s most pressing needs. There are new opportunities around every corner, new projects starting every minute, an always-expanding, always-inspiring sense of possibility.

**Inventories**
- P. 4 Biological Research
- P. 6 Field Experience
- P. 8 Urban Social Justice
- P. 10 Senior Capstone Project
- P. 12 Muddy Paw PR

**Details**
- P. 3 Facts
- P. 14 Academics
- P. 16 Resources
- P. 18 The Durham Campus
- P. 20 Before and After
1,000 students

96 percent from New Hampshire, 83 percent degree-seeking students are full-time

50+ areas of study

12:1 student-to-faculty ratio

97 percent of classes have fewer than 30 students

2.8 million print and electronic resources in the library

16 cutting-edge labs and studios

40+ career-related events every year

500+ student events every year

110,000 residents in Manchester

Top 10 city for tech-related jobs (Fast Company)

45 minutes to the UNH main campus in Durham

1 hour to Boston

90 percent of students receive financial aid

133,000 UNH alumni around the world

1 world-class UNH degree
Bruce Rheaume had been working as a licensed plumber for ten years. Then he decided to take a risk: enrolling at UNH Manchester, with the dream of becoming a doctor. “I decided to be proactive about my life—and about my education. I became a tutor and shadowed a local surgeon. I told a professor about my interest in genomics, and we ended up conducting research on deep-sea bacteria. We published an article in a journal of the American Society for Microbiology and presented at a national conference. I see it as the start of a lifetime of research.”

Four years later, he was accepted to a competitive, intensive graduate degree program. “Going for an M.D./Ph.D., the learning curve will be huge. But I’m ready. I’ve already had the experience of thinking and working—and publishing—like a scientist.” His dream is closer than ever. “UNH Manchester opened my heart and my mind. It revived me. This is where I discovered who I truly am and what I’m capable of doing.”

**BRUCE RHEAUME, ’16**

**HOMETOWN:** Manchester, NH  
**MAJOR:** Biological Sciences  
**NOW:** Pursuing a joint M.D./Ph.D. at the University of Connecticut
The Big Story

1.) THE PAST One of the tools Bruce used when he worked as a plumber. 2.) THE DISH Bruce was part of a team that examined bacteria from deep in the Pacific Ocean. 3.) THE JOURNAL The team’s first research article was published in this journal. 4.) THE PRESENT One of the tools Bruce used in his research: the high-powered microscopes in our state-of-the-art labs. 5.) THE FUTURE Bruce delivered the student address at his commencement ceremony. “My advice is: Take opportunities that are out of your comfort zone. Surprise yourself.”
The most rewarding part is the opportunity

“Field experience has given me the ability to put on an invisibility cloak while entering the interpreting world—and then to take the cloak off and engage with the work, with the full support of mentors.”

“Field experience is required for seniors. We’re placed with two working interpreters in fields we’re interested in—medicine, law, education. They become our mentors for the year. In the first term, we watch them at work, then talk about what we’ve seen—ask questions, try to understand the process.”

“In the second term, we take interpreting positions on our own. Some are ongoing, some are one time only. Either way, a mentor is always there. They fix errors, clarify, take over if we struggle, and later give feedback on our work.”

“The most challenging part of field experience is making room for it. Balancing three jobs, school, two separate mentors’ schedules and my own personal life—that’s been incredibly challenging. The most rewarding part is the opportunity. I’ve gained so much experience, I’ve made so many connections in the Deaf and interpreting communities, and I’ve gotten so much support from so many people.”

“I’ve come to know my mentors on a personal level. They’ve let me into their thought process, their work, their lives. It’s pretty humbling, and I am beyond grateful. It shows me how very important it is to work together, to raise up future colleagues for the strength and betterment of the field.”

LANIE WAGENBLAST, ’16
Hometown: Plainsboro, NJ
Major: ASL/English Interpreting
It made me want to empower myself
“This class opened my eyes. It was about incredibly complicated topics—racism and oppression, power and privilege, inclusion and equity. It was about applying what we’ve learned, through service and engagement. It was about social justice and leadership. It made me want to empower myself—and not just myself but all women. With the experience I’ve gained in this course, I plan to change the lives of women everywhere in a big way. As leaders today, we can advocate for a better tomorrow.”

JAMANA WHITE, ‘17
HOMETOWN: Manchester, NH
MAJOR: Politics & Society
HARDEST TASK IN THE COURSE: “We took the SNAP Challenge—trying to shop for a family of four using the state’s food stamp allotment. Suddenly all of the things we’d been talking about became very real.”
“My project involved designing a circuit board with an embedded Arduino microprocessor, the focus of which was to power and control a dashboard display for the UNH Society of Automotive Engineers Formula One team in Durham.” (3)

“They wanted a dash-mounted unit with an LED array and an LCD screen that could indicate engine RPM and other engine parameters.”

“The work involved circuit design, computer aided schematic design, circuit board layout, component procurement, circuit assembly and repair, wiring, soldering, 3D printing, and C++ programming. So I learned a lot, to say the least.” (1)

“It also involved project management and time management. I was working remotely, but I was still part of a team—that was a new experience for me. In this field—in any field, really—every new experience is good experience.” (2)

**MIKE HUBER, ‘16**
Hometown: Kittery, ME
Major: Electrical Engineering Technology
A fantastic time to open your mind

Angela Mastrogiacomo came to UNH Manchester knowing she “wanted to do something with writing, likely in the arts.” She took a PR class, she majored in communication arts, she studied with professors who “made a mark in the way I think, and encouraged my curiosity.”

After she graduated—and after developing a successful music blog—she put it all together and started her own music public relations firm, focusing on scrappy, independent pop-punk bands. “The person I was when I started college, and the person I was when I graduated—those are completely different people. I grew up a lot. It’s a fantastic time to open your mind and explore as much as possible. If you let yourself soak it all in, you’ll be amazed by the results.”

ANGELA MASTROGIACOMO ’11
LOCATION: Hudson, NH
TITLE: Founder, Muddy Paw PR
All Access

1.) THE POSTCARDS  Public relations requires a good deal of travel. Which explains the postcard collection. Which also explains Angela’s love of public transportation.  

2.) THE CREDENTIALS  Media passes to major music festivals, plus her treasured SXSW speaker badge.  

3.) THE OFFICE  It’s often a café. Her staff is spread across the country.  

4.) THE DOG  Her muddy-pawed dog is at home.
Academics

This is a flexible, experience-driven, world-class education in the heart of Manchester’s start-up culture. Our campus is the Pandora Building, a renovated mill in Manchester’s historic (and forward-looking) Millyard.

We offer more than 50 areas of study, including emerging fields and cutting-edge approaches to traditional subjects. Examples: Our ASL/English Interpreting program was the first in the nation to be accredited by the Commission on Collegiate Interpreter Education. Our analytics program is a groundbreaking synthesis of programming, data analysis and mathematics. Our neuropsychology program examines biology and psychology in state-of-the-art labs.

You’re part of a family here. We offer close working relationships with faculty (11:1 student-to-faculty ratio) and small, dynamic classes (97 percent have fewer than 30 students).

There are opportunities around every corner, innovative ideas in every room. A Business Ethics class with a mandatory service component. Funding for independent and collaborative research, and participation in the university-wide Undergraduate Research Conference, one of the largest in the nation. Partnerships with local start-ups and national firms across the Millyard and around the region. Ambitious internships (Disney, Dyn, Elliot Hospital, Fidelity, Make A Wish, SilverTech) that often lead to jobs.
A FEW PROJECTS PRESENTED AT OUR MOST RECENT UNDERGRADUATE RESEARCH CONFERENCE

Comparative Microbial Genomics

Construction Job and Safety Training Using 3D Simulation Web App

Functional Analysis of Soil Microbes Sequenced from Red and White Pine Habitat at the NH State Forest Nursery

Brainstorming: A Short Film

Jurisprudence in German Basic Law

Syria: A History of Resisting Revolution and a Failed State’s Future

Media in Place: How the Use of Mobile Devices Has Altered How We Relate to Public Space

A FEW PEOPLE WHO COULD BECOME YOUR MENTORS

Melinda Negron-Gonzalez (Ph.D., University of Florida) won a Fulbright and has published research on feminist activism in Turkey.

Sean Tavares (Ph.D., MIT) has 20 years of experience in fluid mechanics, thermodynamics, aerospace, propulsion and energy applications.

Susanne Paterson (Ph.D., University of Texas) has conducted research in fields as varied as film studies, English Renaissance drama and information literacy—and she has twice won our Teaching Excellence Award.

Daniel Seichepine (Ph.D., Boston University) is a clinical neuropsychologist with specializations in dementia and sports-related mild traumatic brain injury (i.e., concussion).

Karen Jin (Ph.D., University of Windsor) developed an innovative curriculum for a camp that teaches robotics and programming to middle schoolers.

James Ramsay (Ph.D., University of Wisconsin), one of the nation’s foremost authorities on homeland security education, founded UNH Manchester’s integrated, multi-disciplinary homeland security program.

Patricia Halpin (Ph.D., University of Connecticut) teaches everything from biotechnology to animal physiology, has developed blended and online courses and uses Twitter in two of her courses.

BACHELOR DEGREE PROGRAMS

Analytics and Data Science (B.S.)
ASL/English Interpreting (B.S.)
Biological Sciences (B.A.)
Biotechnology (B.S.)
Business (B.A.)
  ▪ Accounting
Communication Arts (B.A.)
  ▪ Cinema and Media Arts
  ▪ Digital Media
  ▪ Human Relations
Computer Information Systems (B.S.)
Computer Science & Entrepreneurship (B.S.)
Electrical Engineering Technology (B.S.)
English Teaching (B.A.)
Homeland Security (B.S.)
Humanities (B.A.)
Literary Arts & Studies (B.A.)
  ▪ Digital Language Arts
  ▪ Literary Studies
  ▪ Professional and Technical Communication
Mechanical Engineering Technology (B.S.)
Neuropsychology (B.S.)
Politics & Society (B.A.)
  ▪ American Politics and Public Policy
  ▪ International and Comparative Studies
  ▪ Law and Justice
Psychology (B.A.)
Undeclared

MASTER’S DEGREE PROGRAMS

Business Administration (MBA)
Educational Administration and Supervision (Ed.S.)
Education Studies (M.Ed.)
Elementary Teacher Education (M.Ed.)
Information Technology (M.S.)
Public Health (M.P.H.)
Secondary Teacher Education (M.A.T.)
Secondary Teacher Education (M.Ed.)
Social Work (M.S.W.)
Teacher Education (M.A.T., M.Ed.)

ACCELERATED MASTER’S PROGRAMS

Information Technology (M.S.)
Teacher Education (M.A.T., M.Ed.)

ASSOCIATE DEGREE PROGRAMS

Biological Sciences (A.S.)
Business Administration (A.S.)
General Studies (A.A.)
Resources

Our Academic Commons is the foundation of our Pandora Building campus. It includes our library (access to 2.8 million digital and print items; incredibly helpful, tech-savvy staff) and our Center for Academic Enrichment, featuring guidance from a professional staff and more than a dozen student tutors who have been trained by the College Reading and Learning Association.

We find new ways to lead. Our Student Leadership Academy is designed to build the next generation of leaders, on and off campus. It includes coursework, team-building exercises, mentorship from local leaders, and a project that allows you to apply what you’ve learned. Other leadership opportunities: serving as the president of a club (or starting your own), taking charge of a service project, being a peer mentor.

Our student-run clubs are easy to join and easy to love. Milling Around hosts a state-wide a cappella competition called “Voices of the (603).” Our Enactus team—part of a national service and entrepreneurship competition—has won the northeast regional championship six years in a row.

We have full lives. Degree-seeking undergraduates get a free membership to The Granite YMCA (fitness equipment, group exercise classes, pools, tennis courts, basketball courts), which is a short (and healthy!) walk from campus. We also offer the option of room and board at the New Hampshire Institute of Art’s Plaza Hall—also walkable from campus.

Manchester is the state’s largest, most diverse city, with 110,000 residents, flourishing media and technology sectors, a lively restaurant and music scene on Elm Street, and the largest permanent Lego installation in the world (at the SEE Science Center). CNNMoney called it one of America’s best cities in which to launch a business; Fast Company called it one of the top 10 cities in America for tech-related jobs. We’re proud to call it home.
STUDENT-RUN CLUBS AND ORGANIZATIONS

American Sign Language
Be Involved
Biology Club
Common Ground (LGBTQIA)
Enactus (service and entrepreneurship)
Goals for a Cause (soccer, service)
Intervarsity Christian Fellowship
Milling Around (a cappella)
Our World (environment)
Politics and Society Club
Pre-Dental Society
Student Association of Security Studies
The Manchester Independent (news)
Veterans and Allies Club

It’s easy to start your own club—all it takes is five student members and a staff or faculty advisor.

MANCHESTER: A BRIEF TOUR

A&E Coffee and Tea
Alley Cat (NY-style pizza)
Baked (café and bakery)
Café La Reine (indie coffee)
Currier Museum of Art (Picasso, O’Keeffe, more)
Global food (Vietnamese, Indian, Thai, Mediterranean, Mexican)
Palace Theatre (Broadway shows)
Red Arrow (legendary 24-hour diner)
Vertical Dreams (bouldering)

STUDENT DISCOUNTS

Ben and Jerry’s on Elm
Margaritas’ Water Works Cafe
Muse Paintbar
Eastern Mountain Sports
Double Midnight Comics
Waterville Valley Resort
…and more!
The Durham Campus

Forty-five minutes from Manchester, UNH’s Durham campus is a welcoming, worldly community, with 13,000 undergraduates and students from 49 states and 69 countries, a 19:1 student-to-faculty ratio, fewer than 50 students in the vast majority (83 percent) of classes and nationally renowned faculty who are uncommonly dedicated to teaching undergraduates.

It’s a stimulating intellectual experience. It offers more than 100 majors, more than 500 study abroad programs, more than 1,100 internship opportunities. It’s a place where every voice matters, where differences are honored, where kindness and compassion are shared values.

It’s a 360-degree university experience, with 250 student-led clubs and organizations, 20 Division I athletic teams, 3 award-winning dining halls, and the compact, student-centered town of Durham.

DURHAM CAMPUS: PROGRAMS

Analytical Economics (B.S.)
Animal Sciences (B.S.)
• Dairy Management
Anthropology (B.A.)
Applied Animal Science (A.A.S.)
• Animal Agriculture
• Companion Animal Science
• Equine Management
Applied Mathematics (B.S.)
• Computation
• Dynamics and Controls
• Economics
• Fluid Dynamics
• Solid Mechanics and Vibrations
The Arts
• Art History (B.A.)
• Studio Art (B.A.)
• Studio Art/Art Education (B.A.)
Athletic Training (B.S.)
Biochemistry, Molecular and Cellular Biology (B.S.)
Bioengineering (B.S.)
Biology (B.S.)
Biomedical Science (B.S.)
• Medical and Veterinary Sciences
• Medical Laboratory Science
• Medical Microbiology
Business Administration (B.S.)
• Accounting
• Entrepreneurial Studies
• Finance
• Information Systems and Business Analytics
• International Business and Economics
• Management
• Marketing
• Student Designed
Chemical Engineering (B.S.)
• Bioengineering
• Energy
• Environmental Engineering
Chemistry (B.A.)
Chemistry (B.S.)
Civil Engineering (B.S.)
Civil Technology (A.A.S.)
• Construction Management
• Surveying and Mapping
• Sustainable Energy Management
Classics (B.A.)
• Ancient Mediterranean Civilizations
• Classical Language and Literature
• Latin and Latin Teaching
Communication (B.A.)
• Business Applications
• Media Practices
Communication Sciences and Disorders (B.S.)
Community and Environmental Planning (B.S.)
Computer Engineering (B.S.)
Computer Science (B.S.)
• Bioinformatics
Culinary Arts and Nutrition (A.A.S.)
• Baking and Pastry Arts
• Culinary Arts
Earth Science Teaching (B.A.)
Earth Sciences (B.A.)
Earth Sciences (B.S.)
EcoGastronomy Dual Major
Economics (B.A.)
• Global Trade and Finance
• Money and Financial Markets
• Public Policy and Sustainability
Educational Studies Dual Major
Electrical Engineering (B.S.)
Engineering Physics (B.S.)
English (B.A.)
English Literature (B.A.)
English Teaching (B.A.)
English/Journalism (B.A.)
Environmental and Resource Economics (B.S.)
Environmental Conservation and Sustainability (B.S.)
Environmental Sciences (B.S.)
• Ecosystems
• Hydrology
• Soil and Watershed Management
Equine Studies (B.S.)
• Equine Industry and Management
• Equine Science
• Therapeutic Riding
Exercise Science (B.S.)
Forest Technology (A.A.S.)
Forestry (B.S.F.)
Fine Arts (B.F.A.)
French (B.A.)
French Studies (B.A.)
Genetics (B.S.)
• Genomics
Geography (B.A.)
German (B.A.)
Health and Physical Education (B.S.)
Health Management and Policy (B.S.)
History (B.A.)
Horticulture Technology (A.A.S.)
  • Landscape Construction and Management
  • Plant Production
Hospitality Management (B.S.)
Human Development and Family Studies (B.S.)
Humanities Dual Major
Information Technology (B.S.)
Integrated Agriculture Management (A.A.S.)
International Affairs Dual Major
Italian Studies (B.A.)
Justice Studies Dual Major
Linguistics (B.A.)
Marine, Estuarine and Freshwater Biology (B.S.)
Mathematics (B.A.)
Mathematics (B.S.)
Mathematics Education (B.S.)
  • Elementary/Middle School Ed K-8
Mechanical Engineering (B.S.)
Music (B.A.)
  • Composition
  • Liberal Studies
  • Performance Study
Music Composition (B.M.)
Music Education (B.M.)
Music Performance (B.M.)
Music Pre-teaching (B.M.)
Neuroscience and Behavior (B.S.)
Nursing (B.S.)
Nutrition (B.S.)
  • Dietetics
  • Nutrition and Wellness
  • Nutritional Sciences
Occupational Therapy (B.S.)
Ocean Engineering (B.S.)
Outdoor Education (B.S.)
Philosophy (B.A.)
  • Ethics and Social Responsibility
Physics (B.A.)
Physics (B.S.)
  • Astronomy
  • Chemical Physics
  • Materials Science
Political Science (B.A.)
Psychology (B.A.)
Recreation Management and Policy (B.S.)
  • Program and Event Management
  • Therapeutic Recreation
Russian (B.A.)
Social Work (B.S.)
Sociology (B.A.)
Spanish (B.A.)
Sport Studies (B.S.)
Statistics (B.S.)
Sustainability Dual Major
Sustainable Agriculture and Food Systems (B.A.)
Sustainable Agriculture and Food Systems (B.S.)
Theatre (B.A.)
  • Acting
  • Design and Theatre Technology
  • Musical Theatre
  • Secondary Theatre Education
  • Youth Drama
Undeclared, College of Business and Economics
Undeclared, College of Engineering and Physical Sciences
Undeclared, College of Health and Human Services
Undeclared, College of Liberal Arts
Undeclared, College of Life Sciences and Agriculture
Veterinary Technology (A.A.S.)
Wildlife and Conservation Biology (B.S.)
Women's Studies (B.A.)
Zoology (B.A.)
Zoology (B.S.)

EDUCATION

Education is offered as a minor and/or an accelerated master's program in tandem with an undergraduate major in any field.

PRE-PROFESSIONAL PROGRAMS AND ADVISING

Pre-Dental
Pre-Law
Pre-Medical
Pre-Veterinary Medicine
Before and After

At UNH Manchester, we’re looking for people who see opportunity everywhere, who take an entrepreneurial approach to learning, who want an education that works with their schedule—and works in the world.

We make applying easy. Apply online using the Common Application (commonapp.org).

admissions.unh.edu/apply

We make transferring simple and straightforward, thanks to an expanding list of articulation agreements and special programs, including Public Pathways and NHTransfer.

manchester.unh.edu/apply/transfer-students

We make a UNH degree possible. We offer more than $1 million in financial aid every year; nearly 90 percent of our students receive financial aid. We also offer competitive merit scholarships, and eligible in-state students can attend UNH tuition-free through our Granite Guarantee program, which covers costs for Pell-eligible NH residents. Affordability and accessibility are built into our mission.

Our alumni network includes 133,000+ Wildcats around the world—fascinating, accomplished, multi-dimensional people who are eager to help new generations of UNH graduates make their way.

Our graduates go into the workforce and the wider world with hands-on experience and skills and habits that endure and expand, like critical thinking and a flexible, collaborative approach to solving problems. They have tangible achievements: internships, research, service, leadership. And they have something rare and valuable: confidence. They know who they are, they know what they want and they know that anything is possible.

A FEW MORE EXCELLENT ALUMNI STORIES

Mike Avitabile ’04 (communication arts) was director of content operations at Sony Network Entertainment and is now a senior project manager at Hulu.

Elizabeth Harrison ’13 (politics & society) is a program coordinator at Big Brothers Big Sisters of NH; she’s also pursuing a master’s degree in organizational leadership.

Clayton Groves ’06 (psychology) directs afterschool programming for the Conway School District and hosts the Fish Nerds podcast, which was inspired by his quest to catch and eat every kind of freshwater fish in the state.

Kate Luczko ’08 (business) is president and CEO of Stay Work Play New Hampshire, a non-profit focused on encouraging young people to pursue careers and make their homes in the Granite State. She also co-founded the Manchester Food Co-Op and was named one of “Five Leaders for the Future” by Business NH Magazine.

Robert Englehardt ’13 (electrical engineering technology) is an electrical engineer at BAE Systems—the direct result of his student internship there.

<table>
<thead>
<tr>
<th>AT A GLANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TUITION</strong></td>
</tr>
<tr>
<td>Tuition and fees</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IMPORTANT DEADLINES:</th>
</tr>
</thead>
<tbody>
<tr>
<td>November 15: Spring semester application deadline</td>
</tr>
<tr>
<td>April 1: Fall semester application deadline</td>
</tr>
<tr>
<td>March 1: Financial aid deadline (FAFSA)</td>
</tr>
</tbody>
</table>
Produced in collaboration with Generation, Brooklyn | Hudson, NY.
(generation.is)
Principal photography by Ryan Donnell. Additional photography by Angela Mastrogiacomo, Laura Piazza and David Vogt.
In compliance with the Jeanne Clery Act, the university’s annual report on crime statistics and security policy is available at unh.edu/upd/clery-act.