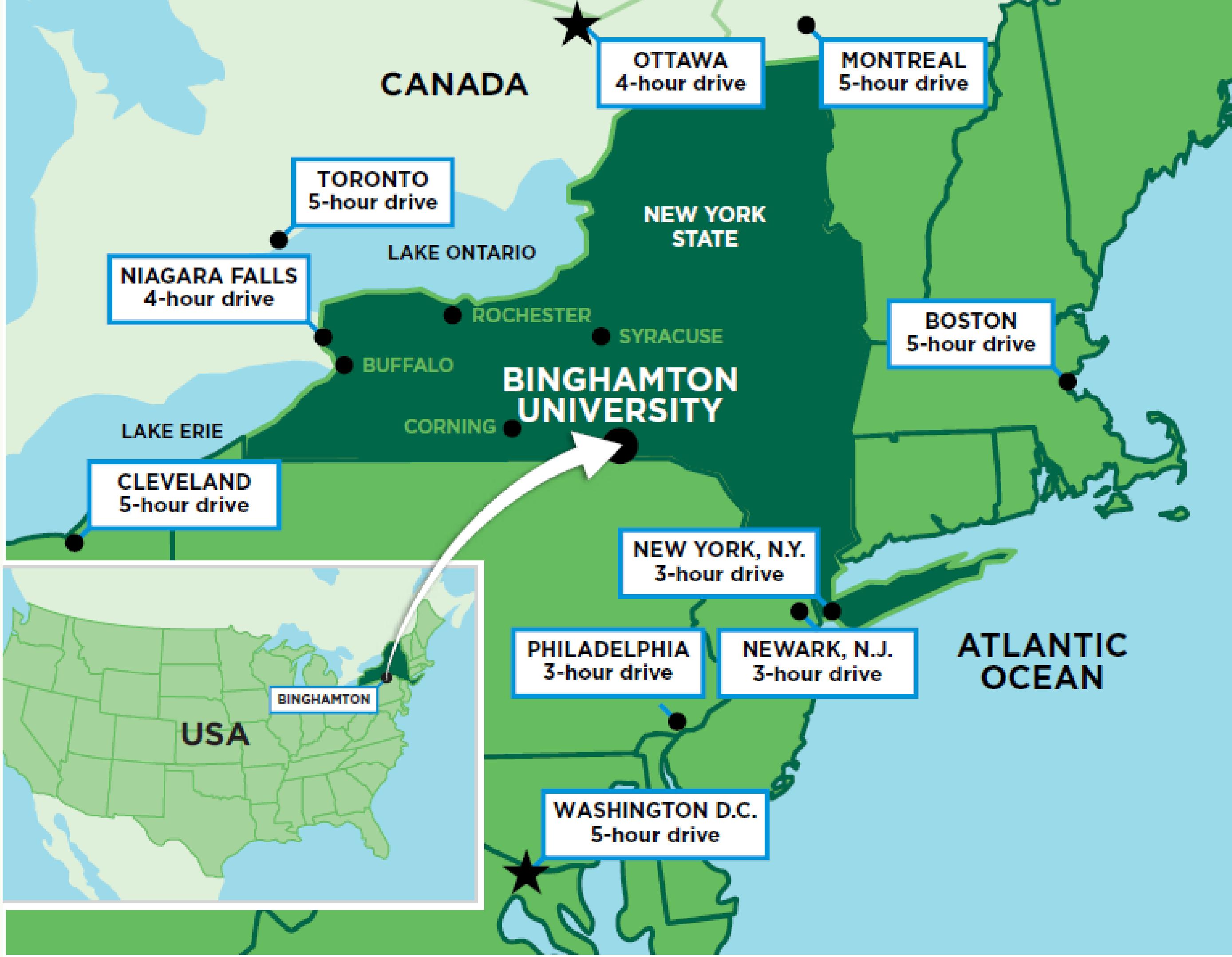




Thomas J. Watson College of Engineering and Applied Science

Binghamton University | State University of New York

Rajalakshmi Engineering College 3.5 + 1.5 Program

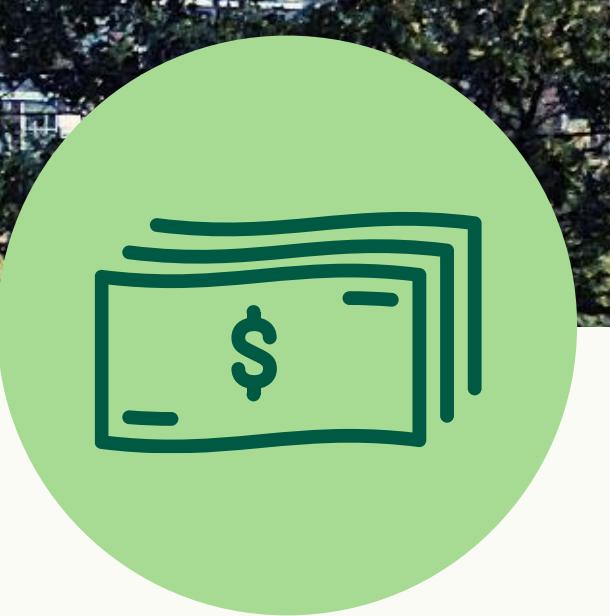




Birthplace of IBM



**Top mid-size city
for safety**



Affordability

Cost of living is 14%
below U.S. average

Binghamton, New York

BINGHAMTON UNIVERSITY
STATE UNIVERSITY OF NEW YORK

The SUNY System



- Sixty four campuses (two-year, four-year)
- Four PhD-granting "University Centers"
 - Albany
 - **Binghamton - most selective SUNY and best value**
 - Buffalo
 - Stony Brook

Best public university in the Northeast



Money



ADVISORYHQ

Kiplinger

#34 Overall best public university ('24)

#73 Overall best U.S. university ('24)

#1 Top public college in N.Y. (Wall Street Journal, '24)

#1 SUNY School (Forbes '23)

#16 Top public college in the U.S. (Business First '20)

#15 Best Value Public Colleges (Princeton Review '24)

#20 Best Career Placement (Princeton Review '24)

#26 Best Public College in the U.S. (Wall Street Journal '24)

Top 6 Most affordable universities for international students (Advisory HQ)

Top 50 Colleges that create futures (Princeton Review, '20)

5-Stars Quality, Affordability, Student Outcomes (Money Best Colleges '24)

Times Higher Education (THE)

It is the only global university performance table to judge research-intensive universities across all of their core missions: teaching, research, knowledge transfer and international outlook.

2024 Rankings

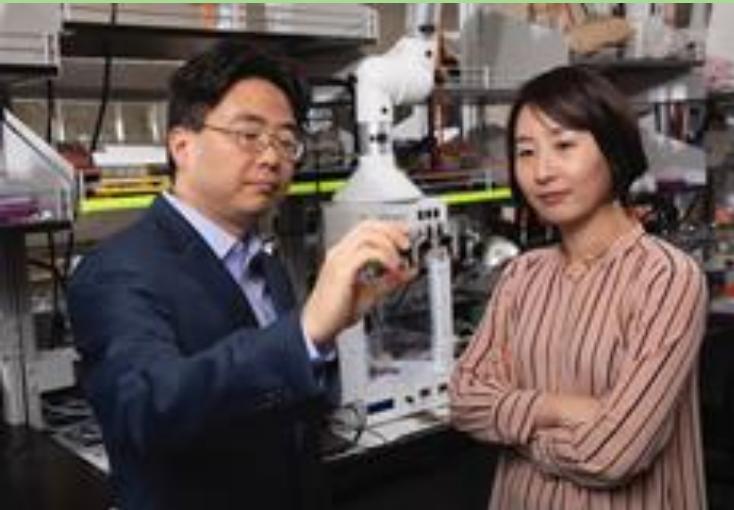
Engineering and Computer Science

Binghamton University

Top **251-300** in the world



One university / Six colleges



Thomas J. Watson College of
Engineering and Applied
Science



College of Community and
Public Affairs



Decker College of Nursing
and Health Sciences



School of Management



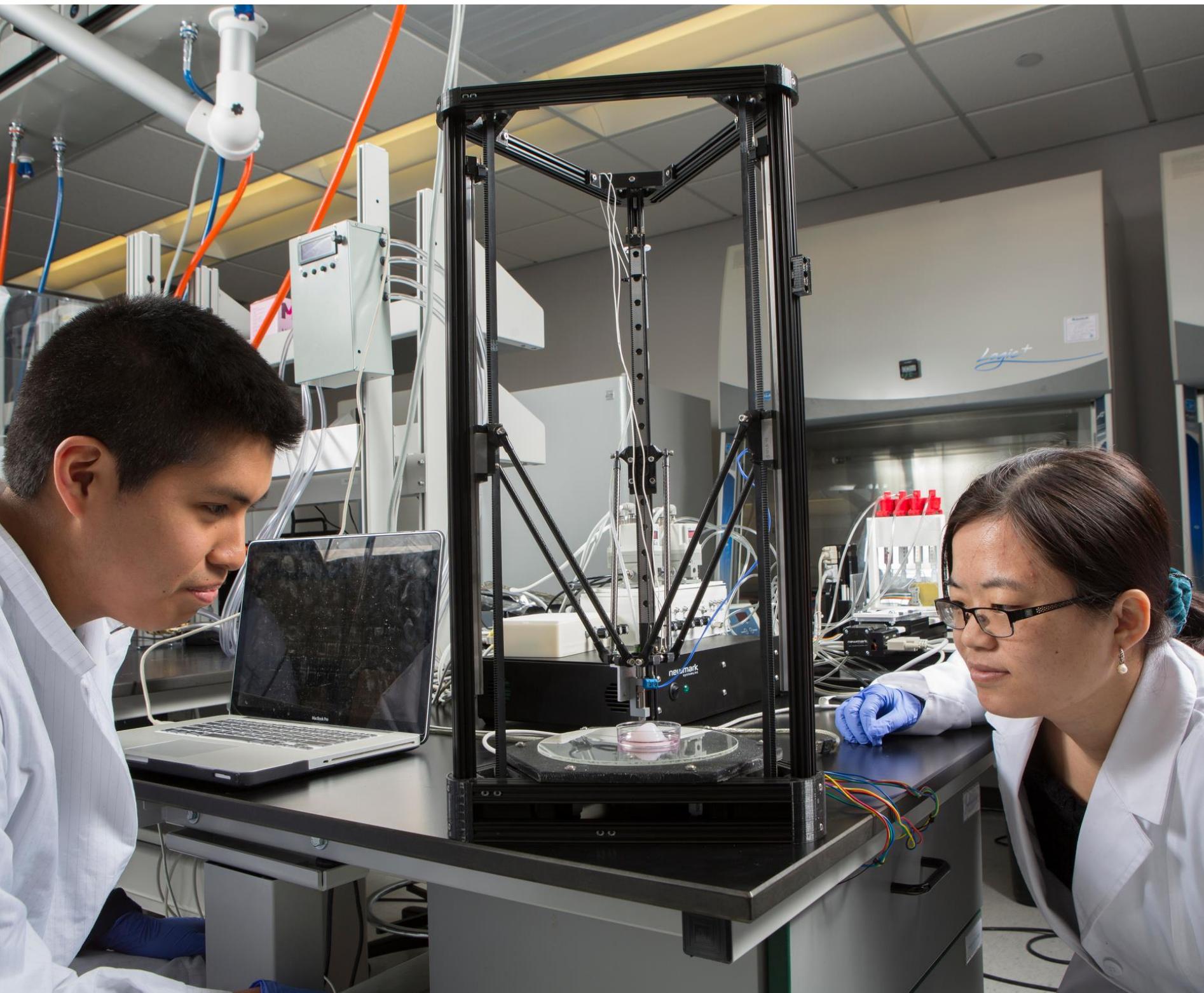
School of Pharmacy and
Pharmaceutical Sciences



Harpur College of Arts and
Sciences

Watson College Programs

- Biomedical Engineering (MS, PhD)
- School of Computing
 - Computer Science (MS, PhD)
 - Information Systems (MS)
- Electrical and Computer Engineering (MS, PhD)
- Mechanical Engineering (MS, PhD)
- School of Systems Science and Industrial Engineering
 - Healthcare Systems Engineering (MS)
 - Industrial and Systems Engineering (MS, PhD)
 - Systems Science (MS, PhD)



Interdisciplinary Programs

- Materials Science and Engineering (MS, PhD)
- Data Analytics (MS)

Certificate Programs

(stand-alone or add-on MS)

- Cybersecurity
- Complex Systems Science and Engineering

WATSON COLLEGE CLASS OF 2023 OUTCOMES (UG)

Thomas J. Watson College of Engineering & Applied Science

89% Knowledge Rate (381)



* Placement within 6 months of graduation *



TOP 10 EMPLOYERS

Lockheed Martin	BNY Mellon
BAE Systems	Epic
Amazon	IBM
General Dynamics	JP Morgan Chase & Co.
The Raymond Corporation	Regeneron

TOP FURTHER EDUCATION

Binghamton University
Cornell University
95% Masters
4% Doctoral
1% Unspecified

98% Achieved intended destination



59%
Graduates Pursued Employment

35%
Graduates Pursued Continuing Education

Data includes August 2022, Fall 2022, Winter 2023, and Spring 2023 Cohorts

Top 3 States UG Employment

New York (68.1%)

New Jersey (6.4%)

Connecticut (5.3%)

Note: 69.1% of respondents reported

WATSON COLLEGE CLASS OF 2023 OUTCOMES (GRAD)

Thomas J. Watson College of Engineering & Applied Science

80% Knowledge Rate (192)



** Placement within 6 months of graduation **

Top Employers

Lockheed Martin	Northrop Grumman	NYS Office of ITS
Binghamton University	Discover Financial Services	NYU Langone Health
Regeneron	Foxconn Industrial Internet	UPS
BAE Systems		



Top Further Education

Binghamton University (16)
SUNY Upstate Medical University (2)

20 PhD Degrees
1 MS Degree
1 BS Degree
4 Unspecified

100%
Achieved intended destination



111 employers

Data includes Spring 2023 Cohort

Undergraduate data based on 89% knowledge rate from Senior Survey results

Graduate data based on 80% knowledge rate from Destination Survey results

High Return on Investment (ROI)



TOTAL TUITION & FEES
\$51,370–\$58,933



M.S. PROGRAM
1-2 years



AVG STARTING SALARY
\$90,765

3.5 + 1.5 Program Summary

Provides a path for REC students to obtain:

- Bachelor's degree from REC and
- Master's degree from Binghamton University

Study for:

- 3.5 years at REC and 1.5 years at Binghamton University



Who can apply?

- REC students who have completed 3.5 years with good standing (GPA at least 3.0 or among top 40%)
- Show sufficient English proficiency
 - TOEFL = 80
 - or TOEFL Essentials = 9
 - or IELTS = 6.5 with no band below 5
 - or PTE = 53
 - or Duolingo = 105
- Have proof of sufficient funds for one year of study at Binghamton University (\$47,300)*



*2025 Admission Cycle, subject to change for future cycles.

Terms of Admission

- Students are admitted into the graduate (master's) program appropriate to their academic background
- Students must complete the undergraduate project requirement for REC in their first semester (spring) at Binghamton University
- In order to continue into the second semester at Binghamton University, students must:
 - First semester GPA = 3.0 or higher
 - Been awarded REC Bachelor's degree in summer after first semester at Binghamton U.
- In order to receive a master's degree from Binghamton University, students must complete 24 graduate level credits at Binghamton University
- GRE is optional through the spring 2026 entry term
- **Online Application deadline: November 1**
For regular master's degree (not 3.5 + 1.5), no deadline.

Please note: The spring 2025 application is now open

- Eligible for co-ops / internships (CPT) after completing 24 credits (2 semesters)
- MoA allows for all admission requirements to be extended to regular master's applicants



3.5 + 1.5 Program of Study

- Year 4 Spring semester - First semester at Binghamton:
 - 1 undergraduate course to complete Bachelor's degree
 - 3 graduate courses
- **(CS ONLY)** Year 4 Summer
 - 2 graduate courses (possibly online)
- Year 5 Fall semester (varies by program)
 - 2 to 4 graduate courses and thesis credits for thesis option OR
 - 3 to 4 graduate courses and may include project credits for project option
- Year 5 Spring semester (varies by program)
 - 2 graduate courses and thesis credits for thesis option OR
 - 2 graduate courses and may include project credits for project option



3.5 + 1.5 Program Options

- **Biomedical Engineering** - thesis or project (33 credits)
- **Computer Science** - thesis or project (36 credits)
- **Electrical and Computer Engineering** - thesis or project (33 credits)
- **Healthcare Systems Engineering** - thesis, project, or coursework (34 credits)
- **Industrial and Systems Engineering** - thesis or project (34 credits)
- **Mechanical Engineering Design and Manufacturing** - project (33 credits)
- **Systems Science** - thesis, project, or coursework (34 credits)

Graduate Application Requirements



- Online Application (\$75 fee)
 - [Fee waiver request available](#)
- Transcripts
- 2 Letters of recommendation
- Personal statement
- Resume
- English language scores:
 - TOEFL = 80
 - or TOEFL Essentials = 9
 - or IELTS = 6.5 (no band below 5)
 - or PTE = 53
 - or Duolingo = 105
- GRE: **optional through spring 2026**; highly recommended for PhD applicants and students interested in funding opportunities
- Financial documents and forms
 - International Student Financial Statement form
 - Official bank statement (or proof of support) = \$47,300
- <https://www.binghamton.edu/grad-school/admissions/apply/>

3.5 + 1.5 Program Costs (2024)

Tuition, fees, and living costs for international students:

- Total program tuition:
 - \$33,693 (33 credits) to \$36,756 (36 credits)
- Health insurance: \$4,063 (3 semesters)
- Fees: \$3,714 (3 semesters)
- Living costs: \$9,900-\$14,400 (\$550-\$800 per month)
 - Graduate students live off-campus as on-campus housing is reserved for undergraduates

Other Expenses

- Fees related to SEVIS/Form I-20 and obtaining F-1 non-immigration student visa
 - \$350 for SEVIS
 - \$185 for F1 Visa
- Books, laboratory fees, and supplies
- Airfare and other transportation costs

Connect with us



Binghamton University
Watson College

Departmental Contacts

Biomedical Engineering - bmegrad@binghamton.edu

Computer Science

- Computer Science - applycs@binghamton.edu
- Information Systems - applymsis@binghamton.edu

Data Analytics - msda@binghamton.edu

Electrical & Computer Engineering - ecestaff@binghamton.edu

Materials Science & Engineering - mse@binghamton.edu

Mechanical Engineering - megrad@binghamton.edu

Systems Science & Industrial Engineering

- Health Systems Engineering - hornbeck@binghamton.edu
- Industrial & Systems Engineering - ssiedept@binghamton.edu
- Systems Science - sayama@binghamton.edu

Watson Graduate Recruitment Team



Johanna Brozinsky

Director of Watson Graduate
Recruitment & Admissions



Email us

watson1@binghamton.edu



Send us a message through
WhatsApp

+1 607-761-7288



Suhailah Abdur-Rahim

Graduate Recruiter



Harsh & Raval

Graduate Student Assistants