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WAKE DOWNTOWN
WAKE FOREST UNIVERSITY
INNOVATION QTR/W-S/NC



**ENGINEERING
& BIOMEDICAL
SCIENCES**

WFU
WAKE FOREST
UNIVERSITY

WDT

WINSTON-SALEM, NC
WAKE DOWNTOWN
BLDG.60
INNOVATION QTR.
1834/1956/2017

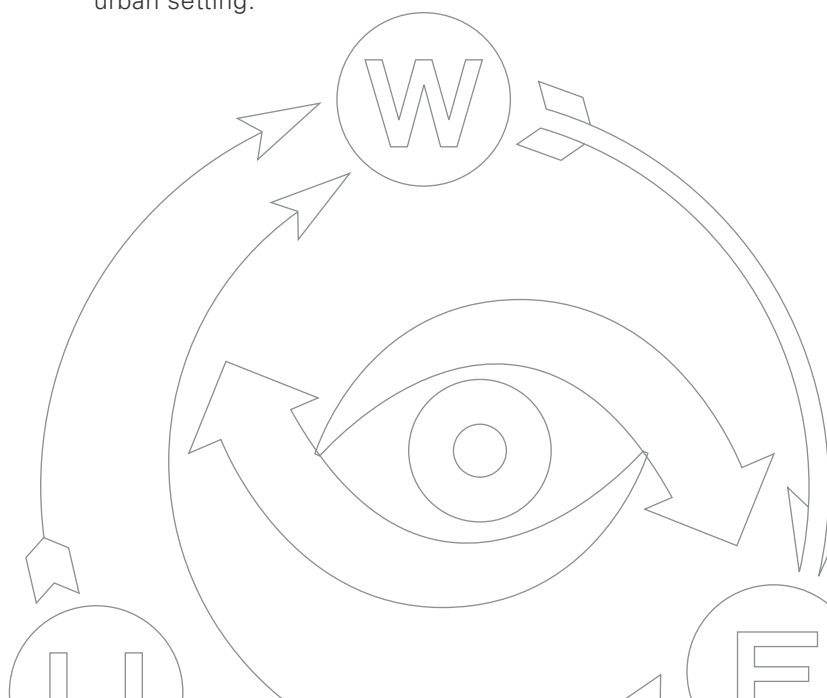




IF THE LAB IS YOUR SANDBOX

and the sky is your limit, you belong at Wake Downtown. You'll be immersed in an active, roll-up-your-sleeves learning environment when you participate in our engineering and biomedical sciences programs. Experiential learning normally reserved for graduate-level study is the cornerstone of these undergraduate opportunities.

Newly approved offerings in engineering, biochemistry and molecular biology, and medicinal chemistry and drug discovery are now available. Innovation starts with the right environment, so we've created a new home for these programs in the heart of downtown Winston-Salem. We set up shop right next to the new Wake Forest School of Medicine facilities at the Bowman Gray Center for Medical Education — not only to give our undergraduates proximity to those labs and research spaces, but also to increase collaboration with School of Medicine faculty in coursework and research. Wake Downtown also houses courses in the arts and humanities alongside our new anchor programs in the sciences, bringing in students and professors from all disciplines to benefit from the building's innovative teaching spaces and urban setting.



RENOVATING SPACE. INNOVATING SCIENCE.

Wake Forest Innovation Quarter, the physical home of Wake Downtown, offers students a thriving community of established businesses, entrepreneurial startups, retail space and institutions of higher learning. This dynamic reincarnation of former tobacco-processing buildings includes the new main campus of the Wake Forest School of Medicine and covers nearly 200 acres, including 55 acres of green space that includes Bailey Park.

TRADITION
INNOVATION





INNOVATIVE AND HANDS-ON... JUST LIKE A GOOD ENGINEER

B.S. IN ENGINEERING

This Bachelor of Science program offers comprehensive and fully immersed technical training with a firm academic grounding in liberal arts. With Wake Forest's unsurpassed student-faculty engagement and real-world learning opportunities, the curriculum extends beyond that of a typical undergraduate engineering program. Already, students are taking advantage of unique opportunities and projects, making connections between their undergraduate coursework, innovative entrepreneurship and Wake Forest's distinct interdisciplinary environment.

For more information, visit engineering.wfu.edu.



LIFE UNDER THE LENS

B.S. IN BIOCHEMISTRY AND MOLECULAR BIOLOGY

Explore the chemical principles that define life with this interdisciplinary degree offering from the departments of chemistry and biology. Understanding growth, development and genetics begins with the study of living organisms at the biochemical, molecular and cellular levels. Faculty and students use a highly engaged, hands-on approach to learning to develop practical skills for addressing today's complex biochemical, molecular biological and biomedical challenges. Emphasizing research that employs analytical and quantitative methods along with high-resolution imaging, this major provides a strong foundation in chemistry and biology. Undergraduates partner with faculty mentors for at least two semesters and/or summers of research, culminating in a senior research project.

For more information, visit bmb.wfu.edu.



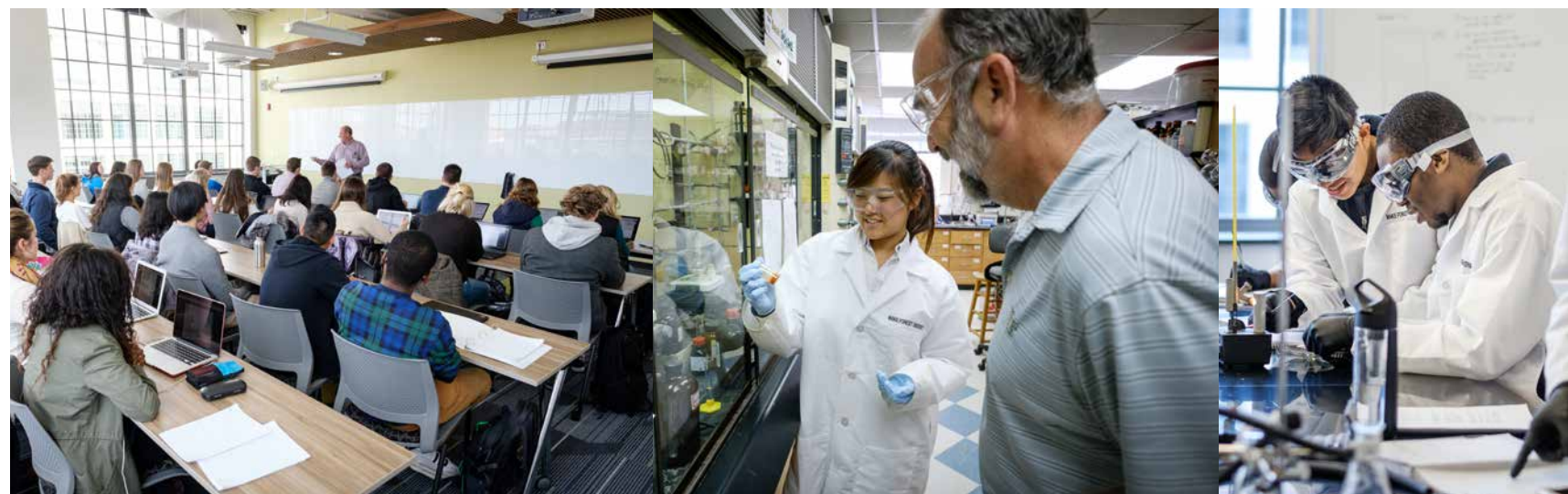


CELLS DIVIDE. YOU CONQUER.

CONCENTRATION IN MEDICINAL CHEMISTRY AND DRUG DISCOVERY

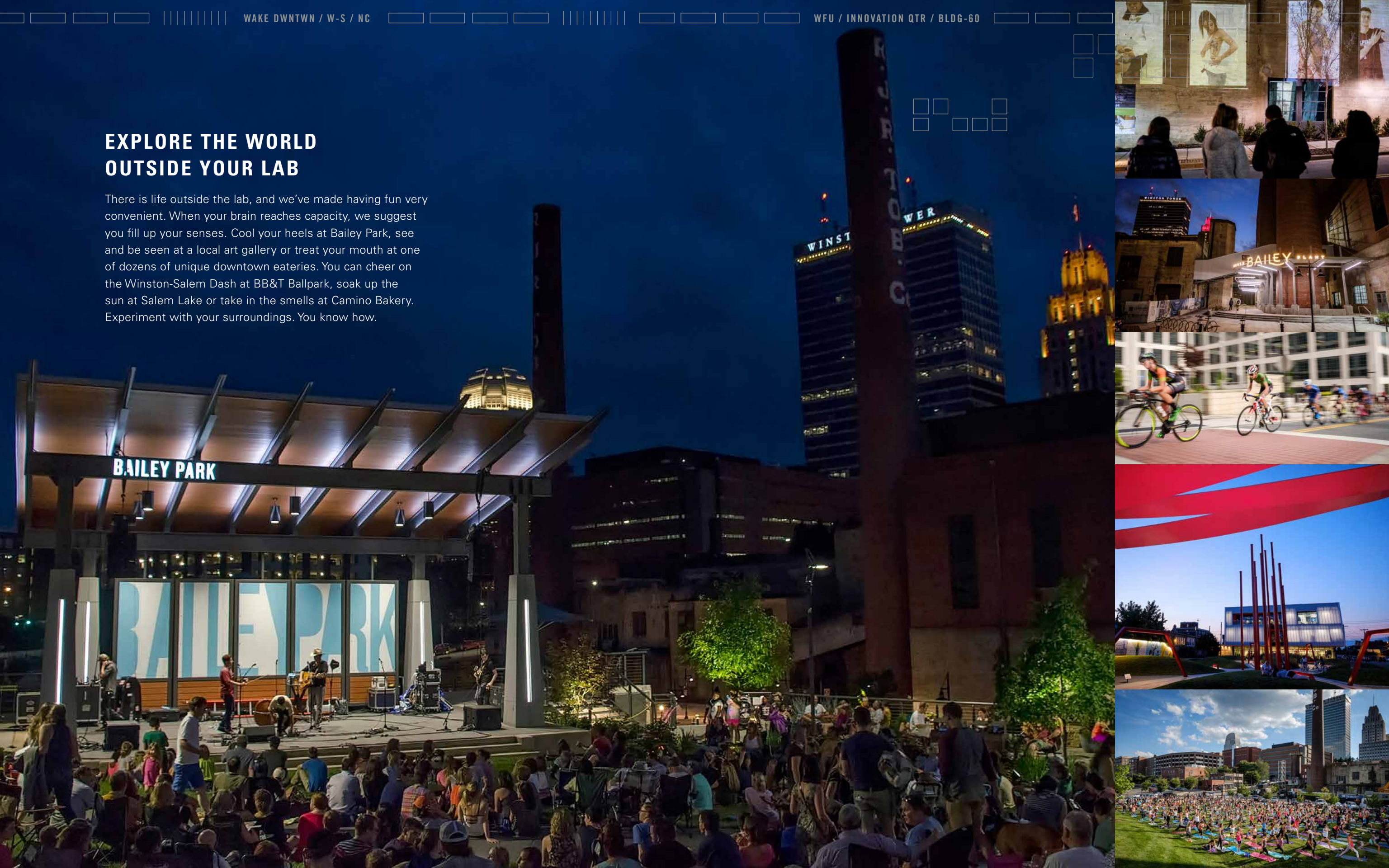
Discovery is for people who love a challenge as much as they love learning. Leveraging the strength of the chemistry department's research program, Wake Forest now offers a concentration in medicinal chemistry and drug discovery, providing a new avenue to earning an American Chemical Society certified B.S. degree. With the goal of identifying new therapeutic agents, faculty engage students in an in-depth study of the connections between chemical structure and biological function. This concentration is ideal for students interested in health-related fields, biomedical sciences and pharmacology.

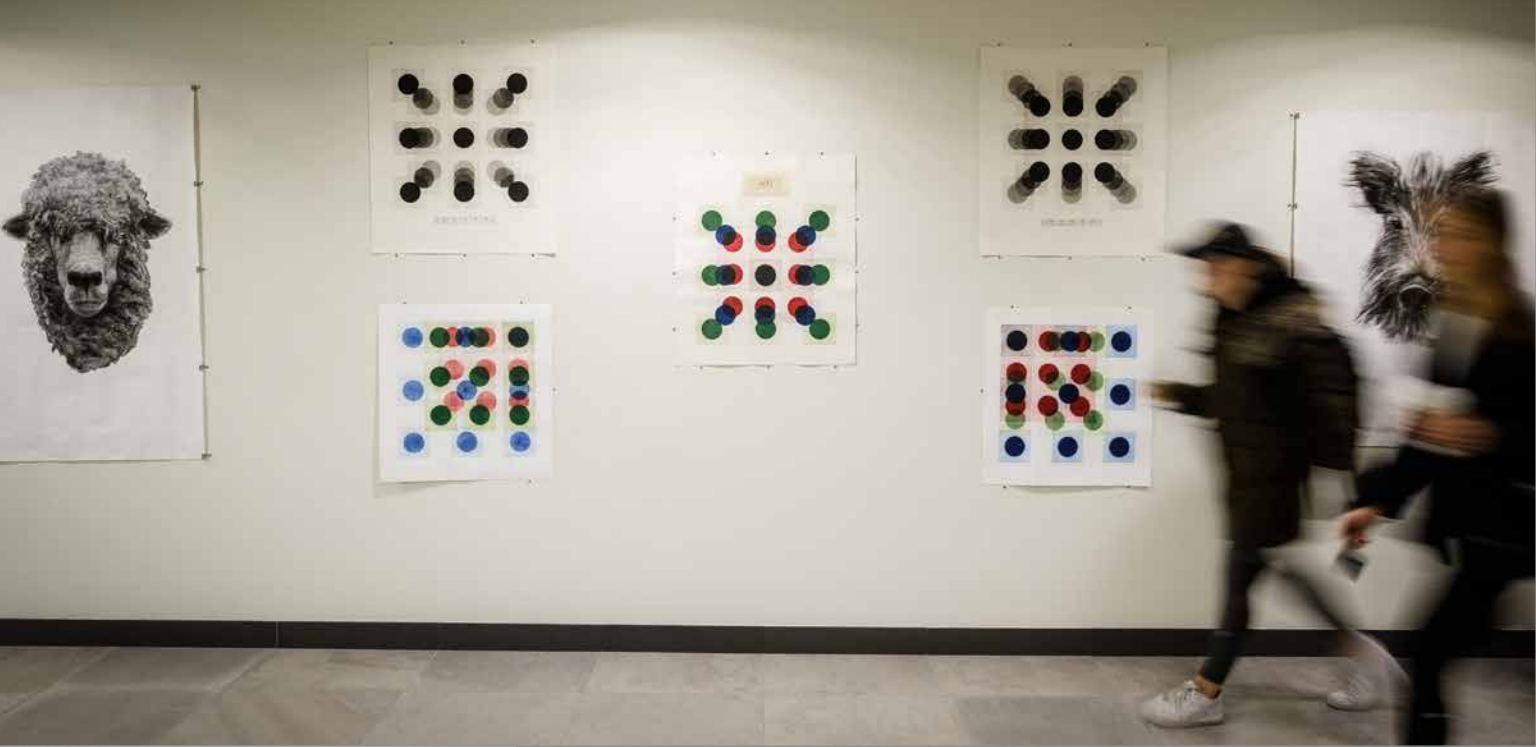
For more information, visit chemistry.wfu.edu.



EXPLORE THE WORLD OUTSIDE YOUR LAB

There is life outside the lab, and we've made having fun very convenient. When your brain reaches capacity, we suggest you fill up your senses. Cool your heels at Bailey Park, see and be seen at a local art gallery or treat your mouth at one of dozens of unique downtown eateries. You can cheer on the Winston-Salem Dash at BB&T Ballpark, soak up the sun at Salem Lake or take in the smells at Camino Bakery. Experiment with your surroundings. You know how.





DRAWN TOGETHER

START.dt

START.dt is a collaborative enterprise between START, the Wake Forest student gallery in Reynolda Village, and Wake Downtown. This initiative periodically presents work created by Wake Forest students in available spaces at Wake Downtown, fostering cross-disciplinary interactions where creative and investigatory impulses overlap. Already, START.dt has hosted numerous exhibitions at the interface of the sciences and the humanities, exploring issues inside and outside of the research lab.

To learn more, visit startgallery.wfu.edu/opportunities/start-dt.

IT TAKES A VILLAGE TO THRIVE IN THE CITY

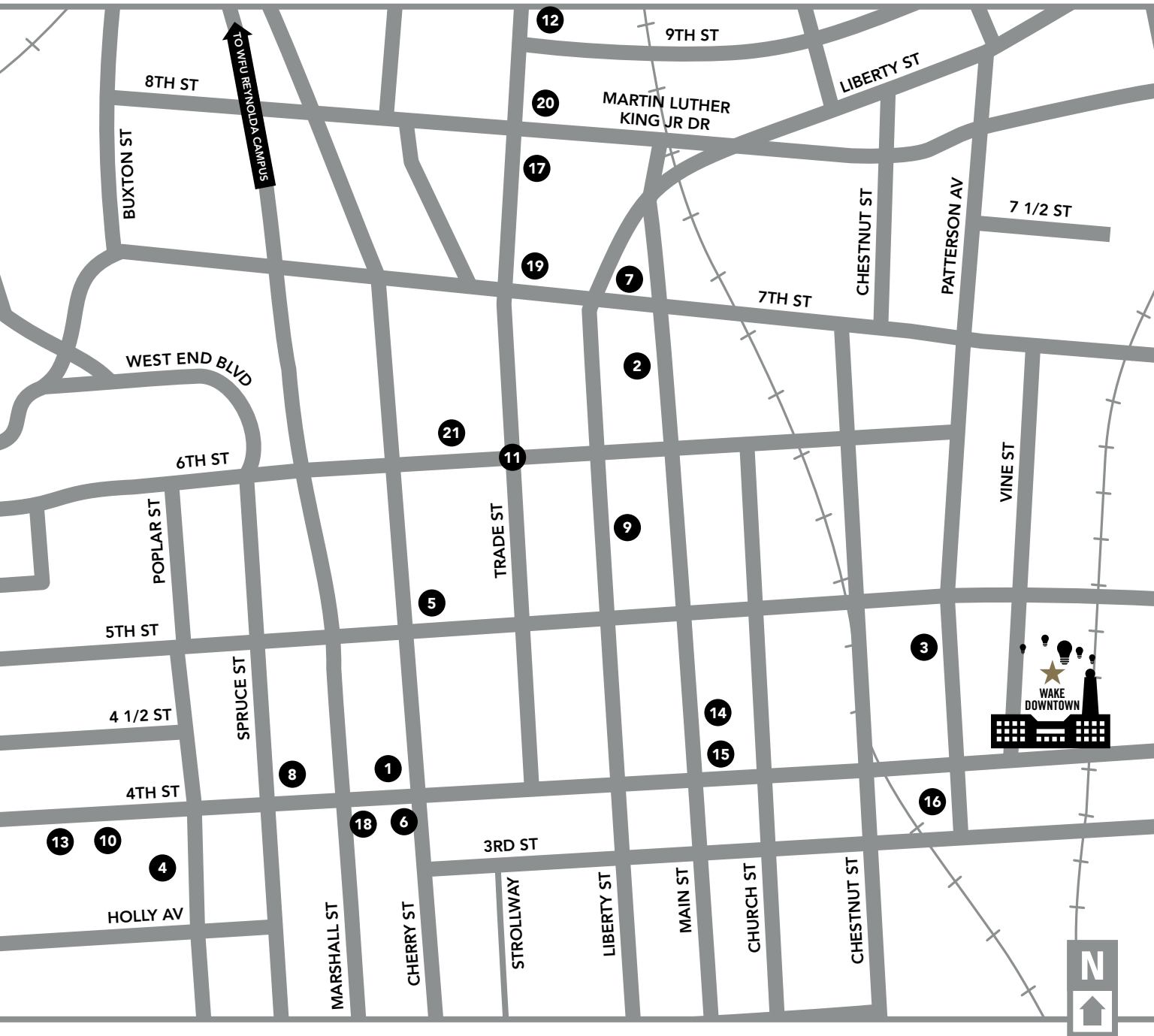
Wake Downtown is where tradition meets innovation. In an urban setting, undergraduate engineering and biomedical sciences programs are infused with the liberal arts. Wake Downtown also has a unique approach to the Wake Forest tradition of serving our community.

Partnering with fellow educational institutions in the area as well as youth-serving organizations, Wake Downtown hosts and facilitates STEM pipeline activities to cultivate interest in STEM-focused careers and higher education. The collective expertise of researchers and educators from Wake Forest and the surrounding community enriches these experiences and has proven beneficial to all involved.

Wake Downtown also shares physical space with visitors and area residents, offering a multitude of resources including classrooms, meeting rooms and group gathering areas. Community relationships have flourished as Wake Downtown continues to create promising partnerships with our downtown neighbors.



DOWNTOWN WINSTON-SALEM – EXPLORE / EAT / ENJOY



- 1 Aperture Cinema
- 2 Activity on the Green
- 3 Bailey Power Plant
- 4 Bookmarks
- 5 Burger Batch
- 6 Camino Bakery
- 7 Camel City BBQ Factory

- 8 The Canteen
- 9 Crafted Taco
- 10 Design Archives
- 11 Downtown Arts District
- 12 Earl's
- 13 Foothills Brewpub
- 14 The Katharine Brasserie

- 15 Kimpton Cardinal
- 16 Krankies
- 17 Mary's Gourmet Diner
- 18 Mellow Mushroom
- 19 Mission Pizza
- 20 The Ramkat
- 21 Sixth & Vine

TO LEARN MORE, VISIT:

downtownws.com