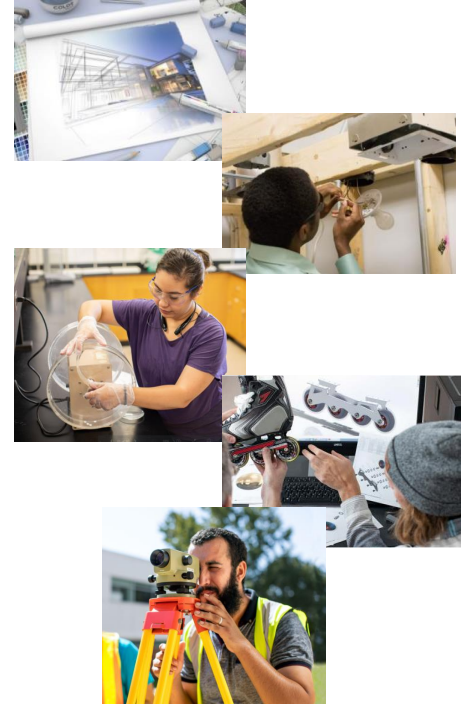


APPLIED ENGINEERING AND TECHNOLOGIES

**New Student Orientation
AET Overview**

Division

- **Note:**
 - The **Applied Engineering & Technologies Division** is in the process of a name change to better represent our division reorganization.
 - Hoping to have approval by end of the month.



Departments

- **AET Departments:**

- AAS Degrees

- Applied Engineering and Design
- Skilled Trades and Construction
- **Biotechnology**

- AE Degree

- **Associate in Engineering**



Biotechnology

- **Changes in Past Year**
 - **Transportation Dept. became a Division**
 - **Biotechnology Department created**
 - **Biopharm changed Departments**
- **Biotechnology Curriculum Programs**
 - **Biopharmaceutical Technology**
 - **Biotechnology (Transfer)**
 - **Begins Spring 2022**



Associate in Engineering

- Separated from Mathematics & Sciences
- Joined AET Division
- Located at South, North, and RTP
- Transfer through UAA & IAA
 - NC State
 - NC A&T
 - UNC-C
 - ECU
 - UNC Asheville
 - Western Carolina
 - Campbell University



Applied Engineering & Design

- **Architectural Technology**
- **Civil Engineering Technology**
- **Construction Management Technology**
- **Electronics Engineering Technology**
- **Geomatics Technology (Surveying)**
- **Interior Design**
- **Mechanical Engineering Technology**
 - **New Mechatronics Track for Fall 2021**



Skilled Trades & Construction

- **Air Conditioning, Heating, & Refrigeration**
 - Commercial A/C (Standard AHR Track)
 - Building Automation
 - Commercial Refrigeration
- **Electrical Systems Technology**
- **Facility Maintenance Technology**
- **Plumbing**
- **Welding Technology**



Technology vs. Transfer

Associate in Applied Science (AAS):

- Immediate Employment Opportunities
- Specific Skills to Jump-Start Career
- AAS Degree, Diploma, and Certificate Options

Associate in Engineering (AE) or Associate in Science (AS):

- Transfer Focus into 4-year Senior Institution
- Pursue Bachelor of Science Degree

Benefits of AAS

- Hands-On Learning
- Work-Based Learning
- Apprenticeships
- Scholarships



Benefits of AAS

- Technical Careers in High Demand
- Career in 1 or 2 years
- Strong Industry Partnerships
- Consistent Employment Growth
- Good Starting Salaries



Benefits of AE

- Designed for Transfer
- Most Courses Available All Year
- Smaller Classes than Senior Institutions
- More Support for Academic Success
- Less Expensive Tuition



ATECH Welcome Letter

Welcome Letter

J. Perry Monds <jpmonds@waketech.edu>

Hi 2020/2021 AETS All!

To: Charles Wolfe <chwo@waketech.edu>

Our records show that you have been recently accepted into one of our Applied Engineering & Technologies (AET) programs and we want to welcome you to our division. Our division has three departments: Applied Engineering and Design, Skilled Trades and Construction, and Transportation. Transportation is transitioning into its own Division under the leadership of David Favre. Biotechnology will soon become our third department. Specific program descriptions and contact information can be found on our division web page: <https://www.waketech.edu/about-wake-tech/division/applied-engineering-technologies>.

We want you to be successful and are providing you with a few helpful tips and links, as well as our contact information. **Your Program Director is (name and email link).** Once a student enrolls, the advising process changes. Students are assigned a faculty advisor during their first semester at Wake Tech and are no longer expected to depend on the Student Services Advisor for course selection and detailed program information. (If you have not been assigned a faculty advisor, see your Program Director whose contact information is given above and will be located on your program's web page.) Plan to follow your Program Planning Guide (PPG) as closely as possible.

Be proactive and prepared for the first day of class. The new student orientation has already covered much of this information, so we assume that you are prepared to use good study habits and commit to appropriate study time to complete your assignments in a timely manner. Remember to:

Study campus maps for class locations and parking: <https://www.waketech.edu/about-wake-tech/campus-center>

Bring a copy of your class schedule with you.

Be aware of our attendance policy; students are expected to be in class at least 90% of all scheduled class hours. Online classes track attendance; check Blackboard the first day of the semester for your assignment. Be sure to complete the Course Entry Quiz (CEQ) during the first week.

Be informed of the COVID-19 policies and procedures. (<https://www.waketech.edu/about-wake-tech/learn-well>) The wellness screening will be discontinued for the Fall Semester; however, face masks will be required. Pay attention to the safety guidelines and protocols: <https://www.waketech.edu/about-wake-tech/administrative-offices/departmental-health-and-safety/safety>

Check your Wake Tech email regularly—at least once a week, if not daily. Students are expected to use their my-waketech key account when communicating with faculty and staff. <https://www.waketech.edu/help-center/in-degree-advise>

Apply for financial aid. The process takes about six weeks once all the documents have been received: <https://www.waketech.edu/financial-aid>
Specific AET programs qualify for Duke Energy Opportunity Grant Scholarships. (The banner on the AET web page will direct you to the application information on the student portal.) This is a separate process from the financial aid application. There are two application deadlines, April 1 for scholarships and April 30 for hardship awards.

Be aware of policies and procedures.

Attendance: <https://www.waketech.edu/catalog/academic-information> and click on the Attendance Policy link

Code of Conduct: <https://www.waketech.edu/catalog/student-code-conduct-rights-and-responsibilities>

Refunds for dropped classes: <https://www.waketech.edu/catalog/tuition-and-fees/ce906> and click on the Refund Policy link.

Access to your personal information is restricted. Neither parents, spouses, nor employers are allowed to discuss your private information without your officially completing a FERPA form. (<https://www.waketech.edu/student-life/parents-family/ferpa>)

Remember that help is available.

Help Center site for often-used phone numbers: <https://www.waketech.edu/help-center>

Use Campus Resources: <https://www.waketech.edu/about-wake-tech/administrative-offices/ombuds-office/resources>

Individualized Learning Center: <https://www.waketech.edu/student-services/individualized-learning-center/about>

College Library: <https://www.waketech.edu/student-services/libraries/vlaff>

Academic Success Centers: <https://www.drexel.edu/hq/cf51d958kapp/AAAC-358K05vEChaD4DAta1h1Q>

There are 6 or more centers to help with specific areas of study: English, math, and STEM (science, technology, engineering, and math) centers would be of greatest interest for AET students; however, help is also available for public speaking, social science, humanities, foreign language, and more.

We look forward to working with you and helping you achieve your academic goals.

J. Perry Monds

Sent to New Students in Division

- Important data, websites, etc.

- aet.waketech.edu
- See Program Director if Faculty Advisor not assigned
- Be Proactive and Manage Your Time
- Policy / Procedures
 - Must Attend at least 90% of classes
 - Complete Course Entry Quiz
- Apply for financial aid / Allow at least 6 weeks / Scholarships
- Campus Resources like ILC Tutoring Center
 - Register online for “Becoming a Master Student” workshop

Key Points

New Students to Program

- RISE Admissions procedure
 - HS GPA review for co-req needs
- Welcome letter sent for student review



AET Website

- Pathways and PPGs
- Course Descriptions
- Technical Standards
- Transfer Options

AET Site: PPG location

APPLIED ENGINEERING & TECHNOLOGIES

- Admissions and Registration
- Advising
- Career Research
- Degree Paths
- Division Policies
- Financial Assistance
- Student Success
- Orientation Presentations

Applied Engineering & Design Biotechnology Skilled Trades & Construction

WAKE TECH VIRTUAL OPEN HOUSE



- Video Index
- Home
 - Applied Engineering & Design
 - Biotechnology
 - Construction Management Technology
 - Civil Engineering Technology
 - Electronics Engineering Technology
 - Geomatics Engineering Technology
 - Interior Design Technology
 - Industrial Engineering Technology
 - Manufacturing Technology
 - Medical Imaging Technology
 - Software Development Technology
 - Technical Standards
 - Workforce Development

The Applied Engineering and Technologies Division focuses on three areas of instruction, described below. Students can find curriculum outlines and career opportunities by clicking on specific program links – or by emailing a specific department or visiting Wake Tech to discuss their goals with an advisor.

Applied Engineering & Design

- View All
- Architectural Technology - AAS
- Civil Engineering Technology - AAS
- Construction Management Technology - AAS
- Electronics Engineering Technology - AAS
- Geomatics Technology (Surveying) - AAS
- Interior Design - AAS
- Mechanical Engineering Technology - AAS



Select a program

Choose AAS, Certificate or Diploma

Choose "Degrees"

Credit Programs

Construction Management Technology

Degrees & Pathways

- AAS Degree
- Certificates

Degrees & Pathways

Construction Management Technology AAS

AAS - Associate in Applied Science program (91 - Course ID: E-A32010)

The Construction Management Technology curriculum is designed to management and other related positions in the construction.

Construction Management Technology AAS

Wake Tech Course ID: A32010

Completion Status: AAS - Associate in Applied Science

Total Credits: 70

Course Availability: Southern Wake Campus, Scott Northern Wake Campus

Scheduling Options: Day Only

Learning Modalities: On Campus, Hybrid

Financial Aid: Yes, financial aid is available for this program

Course Sequence: **Program Planning Guide**

Register for Classes Financial Aid

PROGRAM PLANNING GUIDE

Construction Management Technology AAS190

Replaces Curriculum Schedule with Revision Date: FA2019 Date Revised: FA2020

CURRICULUM BY SEMESTER

Course No.	Course Title	Hours Per Week:		
		Class	Lab	Credits
Fall Semester 1				
BPR 130	Print Reading/Construction	3	0	3
QMT 112	Construction Management I	4	4	6
QMT 120	Codes and Inspections	3	0	3
MAT 121	Algebra/Trigonometry I	2	2	3
Spring Semester 1				
BPR 230	Commercial Blueprints	1	2	2
QMT 210	Construction Management Fund.	3	0	3
QMT 212	Total Safety Performance	3	0	3
CST 191	OSHA/Safety/Certification	2	2	3
ENG 110	Freshman Composition	3	0	3
Summer Semester 1				
PSY 118	Interpersonal Psychology	3	0	3
SST 140	Green Building and Design Concepts	3	0	3
Fall Semester 2				
ACC 120	Principles of Financial Accounting	3	2	4
QMT 214	Planning and Scheduling	3	0	3
QMT 218	Human Relations Issues	3	0	3
CST 150	Building Science	2	2	3
CST 241	Planning/Estimating I	2	2	3
Spring Semester 2				

Choosing the Right Path

New Students to Program

- Program Planning Guide (PPG)
- Student Goals & Situation?
 - Full-time vs. Part-time?
 - Certificate, Diploma, Degree?
- Time Management



Planning is Critical

Returning/Current Students in Program

- Timeline for Completion
 - Apprenticeships
 - Part-time
 - Out-of-Sequence
 - Changes to the Program



Decision Point Calendar

Registration/Advising Cycle: Academic Calendar (16-week)

Calendar Events	Spring Semester 2021	Fall Semester 2021
Classes Begin (Beginning of Decision Cycle)	January 7	August 16
Drop/Add	January 7-13	August 16-20
<i>Critical Communication Period</i>	February 8-March 5	August 23-October 1
Student Break	March 8-12	October 4-6
Last day to withdraw without an F	March 24	October 26
View Registration Schedule	April 5	October 20
Registration—continuing students	April 12	November 1
--new students	April 21	TBD
--visiting students	April 24	TBD
Payment Deadline 1	May 3 / July 26 (for Fall 2021)	December 12 (SP2021)
Payment Deadline 2	May 18 / August 13 (for Fall 2021)	January 5 (SP2022)

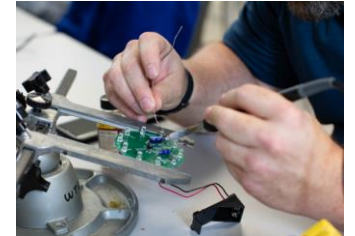
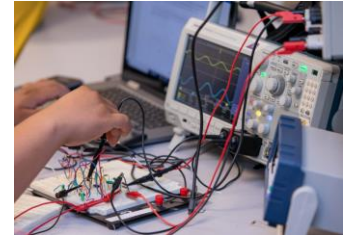
Academic Advisors

- First semester AET Academic Advisor contacts
 - **David Johson**
 - 919-866-5342
 - wdjohnson@waketech.edu
 - **Michael Holmes**
 - 919-866-5467
 - mdholmes1@waketech.edu



New Student Orientation Presenters

- Applied Engineering & Technologies Representatives
 - **Perry Monds**
 - 919-866-5494
 - jpmonds@waketech.edu
 - **Albert Brewer Jr.**
 - 919-866-5333
 - asbrewer@waketech.edu





QUESTIONS?