



Located in Lake Charles, La., McNeese State University is a public institution that awards bachelor's, master's, and specialist degrees, serving approximately 6,000 students. The College of Science, Engineering, and Mathematics is one of the university's colleges and consists of multiple departments, including Engineering and Computer Science.

The Engineering and Computer Science Department offers an ABET-accredited Bachelor of Science in Engineering (B.S.E.) degree with concentrations in three major disciplines: civil, electrical and computer engineering. Along with Bachelor of Science in Mechanical Engineering (BSME), Bachelor of Science in Chemical Engineering (BSChE) and Bachelor of Science in Computer Science (BSCS). The department has 20 full-time faculty members and approximately 700 students. It is recognized for its excellence in undergraduate engineering and computer science education and is committed to preparing students for successful careers in both industry and academia.



## How to Sign-up

### Register Online

[www.mcneese.edu/iiec/mcneese-engineering-academy](http://www.mcneese.edu/iiec/mcneese-engineering-academy)



### Make Payment

- **Pay online or in-person before the WEEK 1 registration deadline: JUNE 4, 2026**
  - Students signing up for Week 2 only must register by JUNE 25, 2026
- Pay with Visa, MasterCard, Discover, or AMEX.
- Contact Amanda Hext, [ahext@mcneese.edu](mailto:ahext@mcneese.edu), (337) 562-4592, to pay by cash, check, or money order

### Student Responsibility

- Transportation to and from campus

### More Information

Registration Inquiries: Amanda Hext  
[ahext@mcneese.edu](mailto:ahext@mcneese.edu), (337) 562-4592

Program Inquiries: Dr. Ning Zhang, Professor of Mechanical Engineering  
[nzhang@mcneese.edu](mailto:nzhang@mcneese.edu), (337) 475-5873

Persons needing accommodations as provided by the Americans with Disabilities Act should contact the ADA Coordinator at 337-475-5428, voice; 337-475-5960, fax; 337-562-4227, TDD/TTY, hearing impaired; or by email at [cdo@mcneese.edu](mailto:cdo@mcneese.edu).

McNeese is a member of the University of Louisiana System

EEO/AA/ADA



MCNEESE  
**ENGINEERING  
RESEARCH  
ACADEMY**





**MCNEESE  
ENGINEERING  
RESEARCH  
ACADEMY**

The 2026 McNeese Summer Engineering Research Academy at McNeese State University offers students entering 9th through 12th grades an exciting, hands-on engineering experience using state-of-the-art university labs and equipment. Held one week in June and one week in July, students will explore robotics, civil engineering, computer programming, and chemical engineering through projects led by McNeese professors. Students may attend either week, but are encouraged to enroll in both morning and afternoon sessions for a full-day immersive experience. Lunch is provided daily in the McNeese Student Union food court, and participants receive a Certificate of Achievement at the end of each week.

**Week 1** June 15 – June 19 **\$500**  
**Week 2** July 6 – July 10 **\$500**  
**Weeks 1 & 2** **\$800**

### Registration Deadlines

Week 1: June 4 | Week 2: June 25

**Limited Time  
Subsidy Available**

**\$100 tuition subsidy for  
one-week participants**  
**\$200 tuition subsidy for  
two-week participants**



## WEEK 1: June 15 – June 19

### VEX Robotics

8:00 AM – 11:30 AM

**Instructor: Dr. Zhuang Li**

- Build and program your own VEX robot.
- Master coding, motors, and game strategy.
- Compete in fast-paced team challenges.
- Showcase your robot in an exciting final competition.



**PROFESSOR  
MECHANICAL  
ENGINEERING**

## Chemical Engineering: Clean Water & Energy

1:00 PM – 4:30 PM

**Instructor: Dr. Zeyad Zeitoun**

- Explore how chemical engineering shapes everyday life.
- Experiment & demonstrate chemical engineering processes such as water purification, crystal formation, and lemon-powered light bulbs
- Research rust prevention and gravity-defying fluids for practical applications
- Enjoy hands-on chemical engineering adventures!



**ASSISTANT  
PROFESSOR  
CHEMICAL  
ENGINEERING**

**Lunch:** Students eat **FREE** in the NEW McNeese Student Union

**Location:** McNeese State University  
Drew Hall  
500 Joe Dumars Dr.  
Lake Charles, LA 70609

## WEEK 2: July 6 – July 10

### Concrete Mix Design & Testing

8:00 AM – 11:30 AM

**Instructor: Dr. Firouz Rosti**

- Design and mix your own concrete.
- Test strength using real lab equipment.
- Discover how engineers build roads and bridges.
- Compete to create the strongest mix.



**ASSOCIATE  
PROFESSOR  
CIVIL  
ENGINEERING**

## Skyward Science: High-Altitude Balloon Data & Python

1:00 PM – 4:30 PM

**Instructor: Dr. Bei Xie**

- Code in Python using real NASA balloon data.
- Analyze temperature and humidity at high altitudes.
- Create scientific graphs and visualizations.
- Think like a data scientist and atmospheric researcher.



**ASSOCIATE  
PROFESSOR  
COMPUTER  
ENGINEERING**



**Earn a Certificate of Achievement!!**