NORTH LOUISIANA MANUFACTURING WEEK 2017

AWARD WINNING WORKFORCE PROGRAM

NORTH LOUISIANA MANUFACTURING WEEK OCTOBER 2-6
The Manufacturing Managers Council of Northwest Louisiana (MMC) is a member-based non-profit organization. Our membership is made up of key leaders of manufacturers operating in Northwest Louisiana, as well as representatives of regional organizations providing support to manufacturers.

**Our mission:**

Through collaboration of manufacturers operating in Northwest Louisiana, we seek to support existing industry through idea sharing, education, and workforce development, and we endeavor to assist in the growth of manufacturing in the region.”
INTERESTED IN LEARNING ABOUT CAREERS IN MANUFACTURING?

Attend one of the Manufacturing Career Open Houses this fall:

- **October 19, 5-7 pm @ Bossier Parish Community College**
  6220 E. Texas St, Bossier City

- **October 24, 5-7 pm @ Northwest Louisiana Technical College**
  Minden Campus, 9500 Industrial Dr, Minden

- **November 2, 5-7 pm @ Central Louisiana Technical and Community College**
  Natchitoches Campus, 6587 Highway 1 Bypass, Natchitoches

Learn about the types of careers manufacturers in north Louisiana have in their plants and what kind of training you need to qualify. Representatives from community and technical college training programs will have information on their programs and answer questions about enrolling.

These events are free and open to the public.
Occupation Profile: 
**Maintenance Technician**

**Name:** Rusha Pullig  
**Company:** International Paper Red River Mill  
**Job Title:** Reliability and Maintenance Technician

**What do you do day-to-day in your job?**

"Primarily I use a hand-held device to scan barcodes on equipment that will pull up critical information about it that we need to measure, like temperature, vibration, and if it is low on oil. The information captured creates a trend over time that is analyzed for preventive maintenance. Manufacturing is getting very high tech. I also do oil sampling from the equipment to learn if there is anything that does not need to be there, like metal, water or potassium, which may be a sign of wear."

**What kind of training did you receive before you started or on the job?**

"Most of my training has been on-the-job. I started as an apprentice, only knowing how to change my own oil, and have worked my way up. Math skills are important, in particular algebra. You need to learn how to read a micrometer. Chemistry is also important in this industry. Welding skills are critical."

**How has this job impacted your life?**

"Because there are so few millwrights anymore, I can earn a good salary and go anywhere in the world with these skills. International Paper has provided for me very well with salary and benefits. I can take care of my family. I have traveled out of state and out of the country for work. I have a house and we take nice vacations."

**Any Advice?**

"I encourage women to consider this company and this field. I have been treated fairly at here. Physically the work can be hard, it is hot out here, but I find it rewarding. Be a sponge, learn all the new skills you can. You will never stop learning in this job."

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Occupation Profile: 
**Welder**

**Name:** Monica Lott  
**Company:** Frymaster  
**Job Title:** Welder

**What do you do day-to-day in your job?**

"Being a welder here is very rewarding, at the same time it is very challenging. We weld all types of miscellaneous parts for the fryers that go into McDonald’s, Taco Bell, lots of restaurants, some in the US and some overseas. If you concentrate and have good hand-eye coordination, you will be good at it. Welding at Frymaster has been good to me. My daughter is in an engineering program in high school and we compare the things I do in my job with the things she is learning in engineering. I started here in 1988 and because I was a hard worker, they took a chance on me. I have also had the responsibility of training other employees, including some other women here."

**What kind of training did you receive before you started or on the job?**

"I have had some on-the-job training and when I first started here I went to the Louisiana Technical College in Shreveport and took night classes in welding while I was working during the day. And it paid off! You have to be willing to learn, you have to have good speed at it, and good hand-eye coordination."

**How has this job impacted your life?**

"I have been able to provide for my family, buy a house, been able to take a few trips here and there. This company provides good jobs for our community."

**Any Advice?**

"If you like this kind of hands-on work, work hard at it and it will pay off, even if welding seems like it’s a man’s job."

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Occupation Profile:
**Electrician**

**Name:** Justin Pickron  
**Company:** Libbey Inc., Shreveport  
**Job Title:** Electrician

**What do you do day-to-day in your job?**

“I respond to work orders, meaning someone puts an order in to fix something like motors, drives and PLCs, and we go in and troubleshoot to fix the problem. PLCs are programmable logic controllers, and they are used in just about everything in manufacturing these days. That is definitely something you would want to know about going into manufacturing. Preventive maintenance is another part of my job.”

**What kind of training did you receive before you started or on the job?**

“I was working as an operator making glass, and I bid for the job to join the apprenticeship program in maintenance as an electrician. Libbey sent me to Bossier Parish Community College to take classes to get my degree in Industrial Technology. While on the job, I’ve taken TPC which is an online maintenance training program and worked with some of the journeyman electricians at Libbey. An apprentice trains underneath a journeyman for about four years and then you have to take tests to become qualified.”

**How has this job impacted your life?**

“I’ve bought a house, a car, and I took my kids to Las Vegas and Hollywood on a two week vacation this year. I get paid vacation, a 401k retirement account, medical, dental and vision benefits.”

**Any Advice?**

“If you like to troubleshoot and use your brain to solve problems, go into a skilled trade.”

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Occasion Profile:
**Operator**

**Name:** Alexander Vanzant  
**Company:** International Paper Red River Mill, Campti  
**Job Title:** 2nd Assistant Core Man, Paper Machine

**What do you do day-to-day in your job?**

“Some of my duties at the winder (dry end of paper machine) - my work station - include cutting cores for the rolls of paper, assist with controls, repairing equipment, trying to prevent quality issues and most importantly, as my crew’s safety captain, I help ensure everyone is working safely. That means wearing the proper personal protective equipment, staying hydrated and performing their tasks the safest way possible.”

**What kind of training did you receive before you started or on the job?**

“I have gotten a lot of training since I started working here. My crew leader experience working at a fast food restaurant prepared me well for this job. I have gotten training in safety (OSHA), Emergency Response Team, Power Industrial Truck, how to interview new hires, and KES which is an internal safety audit system for International Paper.”

**How has this job impacted your life?**

“I was able to buy a 4-bedroom house, a new truck and a car. I would say to anyone interested in this kind of work, if you enjoy seeing how things work and learning new skills, it is a good job. You’ve got to come to work with the right attitude and be willing to work hard. You need to be safety conscious and respect the machinery.

This job also provides good educational opportunities and planning to help me continue my training to become an Industrial Engineering Technician through programs at Bossier Parish Community College and then Northwestern State University.”
Occupation Profile: 
Lab Analyst/Chemists

Name: TJ Cyr, Analytical Chemist

Name: Brandon Theus, Analytical Chemist

Name: Nate Fielder, Lab Analyst

Company: Red Ball Oxygen

What do you do day-to-day in your job?

“Brandon: “We analyze cylinders that have different concentrations of gases like propane, sulfur dioxide, nitric oxide, and carbon monoxide. Orders come in from customers and we go through the process of filling cylinders, then we analyze them to see what the concentrations of each gas are. We have the known, which is our standard, and the unknown, which is the cylinder we are analyzing, and we compare the two to see what the concentrations are to check for differences. This is to make sure the customer is getting what they asked for. It is quality control analysis. You have to be very precise with your data.”

TJ: “We use computers a lot to run the gas chromatography to know what the concentration of a particular gas is in a cylinder”

What kind of training did you receive before you started or on the job?

Nate: “I graduated from Bossier Parish Community College with an Oil and Gas Production degree and worked in the oil field before this. Many of the things I learned in school also apply here. I have done a lot of on-the-job training in the four months I have been here, including job shadowing of one of my coworkers. Safety training and forklift training were the first things I learned. I moved to different parts of the company and worked with them for a week at a time, learning what they do.”

TJ: “Chemistry was one of my best subjects in high school and college. I started at Red Ball Oxygen while in school at LSUS, working in the warehouse, and when I got the chance to move to the lab I took it.”

Brandon: “I graduated in Forensic Chemistry from Grambling State University. I was in the mechanical department at another manufacturer before this with lots of hands on training, just like this job.”

How has this job impacted your life?

Nate: “The job I have now is very important because I know the work I am doing is going to clients doing important things, like power plants and oil and gas companies. For me personally, this is a great job because the pay is good, and they like to hire from within the company so if you work hard you are going to move up.”

Brandon: “I love my job. I am looking to buy a house soon. I bought a truck a couple of months ago after I started. Once you are here for a year, you start getting bonuses, which is great.”

Any Advice?

Nate: “Safety is important so pay attention when you are on the job.”

Brandon: “Even though my first job was not in my field, I worked there for three years and just kept applying for jobs that used my chemistry experience. And while I was at my last job I was given supervisory experience, which is good experience for any other job.”
Occupation Profile:
Engineer
Name: Traci Ramsey
Company: Frymaster
Job Title: Engineer

What do you do day-to-day in your job?
“I work in the group that deals with Frymaster products already created. I am assigned a production line and if a customer has a problem or needs a modification to one of the products in that line that requires engineering help, they call us. It can be a trouble shooting problem or a request to modify the product to better mesh with their production process. I do a lot of drawings using computer-aided drafting and then we make concepts based on my drawings in the model shop.”

What kind of training did you receive before you started or on the job?
“I have a Bachelor of Science in Industrial Technology with an emphasis in Management from Northwestern State University. I started interning at Frymaster in the lab and worked there a couple of years while I was in college and then was hired as a designer when I graduated.”

How has this job impacted your life?
“My husband has been self-employed for most of our life together, and because I have a steady job with a steady salary and health and life insurance benefits, it allows him to be able to focus on his business.”

Any Advice?
“I have fond memories of classes at Northwestern when we made stuff ourselves out of metal castings and using CNC machines, all the hands-on activities that introduced me to processes I use now got me interested in this kind of work and I enjoy it.”

Occupation Profile:
Mechanical Engineer
Name: Anna Remick
Company: Frymaster
Job Title: Senior Mechanical Engineer

What do you do day-to-day in your job?
“I work for the new product development group, we create the newest designs to put out in the market for a range of customers, including Taco Bell, Burger King, McDonald’s and Sonic. I use modeling tools, SolidWorks and Pro/E, to visualize how new parts and components go together in an assembly line. In this job, you need to be good at Excel, Powerpoint and the Microsoft Suite, and knowledge of computational fluid mechanics and dynamics is important.”

How has this job impacted your life?
“I got my Bachelor of Science in Mechanical Engineering at the University of Michigan and my Master’s in Mechanical Engineering at Georgia Tech. A mechanical engineering degree allows you to be versatile as an engineer, I have been able to work in oil and gas, steam turbine design for GE, and now in the food industry, and a lot of the skills translate neatly across industries. That has been good for me with my husband in the Air Force as I have been able to find jobs within 2-3 months wherever we move because of his assignments.”

Any Advice?
“Apply for internships so you can find out if you’re more of a manufacturing or engineering type person. I think those two branches require different skills even though you can do both with an engineering degree. With manufacturing, you need more people skills and to work as part of a team and it is more hands-on, whereas in an engineering design job you do more computational work and it is more one-on-one.”
At BPCC, our programs are aligned with the latest high-demand job sectors in the Northwest Louisiana region and state.

In the Division of Technology, Engineering, and Mathematics, we have programs in four areas:

- **TECHNOLOGY**: Students learn innovative techniques and upcoming trends in computer systems, programming, networking, and security.
- **ENGINEERING**: Students are provided with a foundation to design and build solutions for the problems of tomorrow.
- **ADVANCED WELDING**: With the addition of new industries in Northwest Louisiana, industry leaders have requested a certification program for higher level welders to include: new welding technology, supervision and management, inspection, testing, economics of welding, and welding materials.
- **ENERGY, CONSTRUCTION, AND INDUSTRIAL TECHNOLOGIES**: Students relate theoretical concepts to the actual production of goods and services using technologically advanced equipment and processes.

All discipline areas align curriculum with national certifications and prepares students for joining tomorrow’s workforce. Each program is accredited by the Association of Technology, Management, and Applied Engineering (ATMAE).
WHAT IS AN AVIATION MAINTENANCE TECHNICIAN (AMT)?

An Aviation Maintenance Technician (AMT) is a professional who works to ensure that passengers and crew members of an aircraft arrive at their destinations safely and on time. The AMT is a licensed technician, certified by the Federal Aviation Administration (FAA), and is responsible for maintaining and/or inspecting all types of aircraft.

WHO HIRES AVIATION MECHANICS FROM OUR PROGRAM?

WHAT IS THE AVERAGE PAY FOR AVIATION MAINTENANCE TECHNICIANS?

Top Aircraft Mechanics can earn more than $76,000 per year with entry level mechanics starting at $15 - $18 per hour. Mechanics with 7 years’ experience can earn between $26 and $30 per hour, depending on employer and work location.

TO BEGIN YOUR CAREER AS AN A&P MECHANIC, CONTACT:

Scholarship opportunities are available. Contact our financial aid office at (318) 670-9221 for additional information.

Timothy Banks
Phone #: (318) 670-9592 Email: tbanks@susla.edu

Find Us on Facebook
SUSLA Aerospace Technology Center

OPPORTUNITY STARTS HERE!
BUILD YOUR FUTURE
START YOUR
MANUFACTURING
CAREER NOW!

Louisiana’s Workforce Needs YOU!

- Spaces available in:
  Welding
  Electrician
  Industrial Maintenance
  Industrial Instrumentation
  Industrial Manufacturing
- Develop specialized skills to work in modern manufacturing facilities

Find your direction...
Visit www.NWLTC.edu

For more information visit
www.nwltc.edu
or contact one of our three campus locations.

- Mansfield (318) 872-2243
- Minden (318) 371-3035
- Shreveport (318) 676-7811

Northwest Louisiana Technical College is an equal opportunity institution and does not discriminate on the basis of race, color, national origin, gender, age, religion, qualified disability, marital status, veteran’s status, or sexual orientation in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of its operations. - Coordinator for Section 504 and ADA: Alena Harris, Student Services, 2010 North Market St., Shreveport, LA 71101 - (318) 676-7811 - alenaharris@nwltc.edu - 8:00 a.m. - 3:30 p.m. M-F excluding holidays and weekends. - Equity/Compliance Coordinator: Lisa Snider, Human Resources, 9500 Industrial Drive, Minden, LA 71055 - (318) 371-3035 - lisasnider@nwltc.edu - 7:30 a.m. - 3:30 p.m. M-F excluding holidays and weekends.
Louisiana’s Workforce Needs YOU!

1. Minden Campus
   9500 Industrial Dr.
   Minden, LA 71055
   (318) 371-3035

2. Shreveport Campus
   2010 N Market St.
   Shreveport, LA 71107
   (318) 676-7811

3. Mansfield Campus
   943 Oxford Rd.
   P.O. Box 1236 (Mail)
   Mansfield, LA 71052
   (318) 872-2243

Northwest Louisiana Technical College, in its geographical entirety, includes a vast number of cities and towns.

The primary parishes served by the College are:

- Bienville
- Bossier
- Caddo
- Claiborne
- DeSoto
- Red River
- Webster

Find your direction...
Visit www.NWLTC.edu

Northwest Louisiana Technical College is an equal opportunity institution and does not discriminate on the basis of race, color, national origin, gender, age, religion, qualified disability, marital status, veteran’s status, or sexual orientation in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of its operations. - Coordinator for Section 504 and ADA: Alena Harris, Student Services, 2010 North Market St., Shreveport, LA 71107 - (318) 676-7811 – alenaharris@nwltc.edu - 5:00 a.m. - 3:30 p.m. M-F excluding holidays and weekends. - Equity/Compliance Coordinator: Lisa Smider, Human Resources, 5509 Industrial Drive, Minden, LA 71055 - (318) 371-3035 - lisasmider@nwltc.edu - 7:30 a.m. - 3:30 p.m. M-F excluding holidays and weekends.
Start Your Manufacturing Career Today!

Takes as little as 14 weeks!

What is C4M?
C4M is a fourteen-week certification course for manufacturing. The C4M course focuses on the core skills and knowledge needed by production workers including forklift and OSHA certification preparation.

What will I receive?
Students will receive:
- Forklift certification
- OSHA10 certification
- WorkKeys® test certification
- NCCER Core
- First Aid, CPR & AED Certification

What will I need?
- Driver’s License
- English Proficiency
- Age 18 or older

Is financial aid available?
Financial assistance may be available! Call our office for more details.

Where do I go for training?
C4M training will be taught at all eight of Louisiana Delta Community College campuses at different times of the year. Our website will have the most current information.

Campuses are located in:
- Bastrop
- Jonesboro
- Lake Providence
- Monroe
- Ruston
- Tallulah
- West Monroe
- Winnboro

What employment partners do you have?
LDCC has established C4M program partners who guarantee interviews. They are:
- Advantage Resourcing
- Ardagh Glass
- Diversity One Staffing
- Express Employment Professionals
- International Paper
- Manpower
- Roseburg Forest Products
- Sapa Extrusions
- Steel Fabricators
- Westaf
- Weyerhaeuser

About Our Program
“As a manager at U.S. Corrugated, a full line corrugated carton manufacturer, we are constantly facing challenges with new employees with no manufacturing experience. This program would be tremendous help for new employees to have basic manufacturing skills as we begin the fine tune training for our specific process. I fully support the efforts of Louisiana Delta Community College and the Certification for Manufacturing Program as this would be a tremendous help for our local businesses, community and economy.”

Patrick McLendon
Superintendent/Maintenance Manager
U.S. Corrugated

Call or come by!
Nicole Barfield: 318-345-9288
nicolebarfield@ladelta.edu

Charles Woodard: 318-345-9286
charleswoodard1@ladelta.edu
Prepared Students for a Rewarding Career in Process Technology

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>CINS 101</td>
<td>Introduction to Computers</td>
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<tr>
<td>ENGL 102</td>
<td>English Composition II</td>
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<td>CHEM 101</td>
<td>General Chemistry</td>
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<td>CHEM 103</td>
<td>General Chemistry I Lab</td>
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<td>MATH 117</td>
<td>A Survey of Mathematics</td>
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<td>Physical Science I Lab</td>
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<td>PTEC 244</td>
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<td>PTEC 291</td>
<td>Process Technology Internship</td>
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CTS – General Industry Technician - 24 Credit Hours

Process Technology

Process technology operators control and monitor the systems that run industrial plants.

- Operators gather information using instrumentation and lab equipment to maintain safe work areas and keep plants in compliance with regulatory requirements.
- Operators work both indoors and outdoors alongside engineers, chemists and other professionals.
- Operators use knowledge of computers, math, physics and chemistry to keep industrial plants running safely and efficiently.
- They require strong communications skills, the ability to write, express views orally and listen in order to succeed at their jobs.
Careers in Engineering Technology

With a strong background in providing workforce training in engineering fields, Northwestern State University’s department of engineering technology offers students two tracks to becoming an engineering technologist. Students with an interest in solving problems, working with other technology professionals, and managing complex industrial equipment are well suited for the field.

Where does the Engineering Technologist fit in the workplace?

- Work between the design engineer and the technician that maintains and operates.
- Must understand and bridge the gap between design and operations.
- Implement changes, upgrade operations, set-up equipment, analyze problems, and modify if necessary.

Engineering Technology provides two degree paths

A degree in engineering technology prepares students for a wide range of career fields from oil and gas production to traditional manufacturing; from wood product harvest and processing to medical technology support in hospital and research environments. The salaries for engineering technologists start at $45,000 and may reach over $100,000, including benefits.

► Electronics Engineering Technology
  (including concentration in Biomedical Engineering Technology)
  - Students learn to analyze, test, build, operate, and maintain electronic systems.
  - Manage, maintain and install low voltage/power systems, automation, and controls.
  - Opportunities for work experience through internships with most of these companies: GE Medical Equipment, Halliburton, Shaw Industries, Crest Operations, RoyOMartin, Boise Wood Products, Gilchrist Construction, AT&T, and Alliance Compressors to name a few.

► Industrial Engineering Technology
  - Students learn to analyze, test, build, operate and maintain industrial systems (equipment, warehouse operations, safety management, plant operations, etc.)
  - Manage manufacturing facilities, systems and operations to include installation, motion and time, safety, and efficiency.
  - Opportunities for work experience through internships with most of these companies: Halliburton, Shaw Industries, Crest Operations, RoyOMartin, Boise Wood Products, Gilchrist Construction, AT&T, and Alliance Compressors to name a few.

Scholarships Available

ET offers scholarships to qualified students based on need and academic qualifications.

Accreditation

Engineering Technology students designed and built electric guitars in the Product Life Cycle course.

Industrial Engineering Technology (IET) is unique in Louisiana

The NSU Industrial Engineering Technology program is the only one of its kind in Louisiana. IET students learn to develop, implement, and improve integrated manufacturing systems that include materials, facilities, operations, personnel costs, and information. They learn to use appropriate analytical and computational procedures to create efficient integrated systems. Currently, only nine four-year IET programs are accredited nationwide. NSU’s IET program is the only accredited program in Louisiana.

Engineering Technology (ET) graduates are in great demand by employers

ET graduates get jobs! Graduates of the ET programs at NSU are sought after by employers.

New employers contact the department routinely in hopes of getting resumes from graduating seniors. Developing engineering technology talent enables the state of Louisiana to attract and retain high paying manufacturing companies, which promotes economic development for the state. The Department of Engineering Technology is a designated University of Louisiana Area of Excellence.

Contact: Ali Ahmad, PhD
Department Head, Engineering Technology
Northwestern State University
101 Williamson hall
Natchitoches, LA 71497
318.357.6751
ahmada@nsula.edu

Joseph Cade Stepp
Asst. Director of Recruiting
for Project Lead The Way
Office of University Recruiting
Northwestern State University
318.357.4612
steppj@nsula.edu

See our website for more information: engrtech.nsula.edu

Admissions:
Office of Admissions
Student Services Center
175 Sam Sibley Drive
Natchitoches, LA 71497
318.357.4078
800.767.8115
admissions.nsula.edu

Recruiting:
Office of University Recruiting
Student Services Center
175 Sam Sibley Drive
Natchitoches, LA 71497
318.357.4503
800.327.1903
recruiting.nsula.edu

DEDICATED TO ONE GOAL. YOURS.
Louisiana Tech University students interested in a career in manufacturing can choose from a variety of engineering and engineering technology majors. Electrical engineering, electrical engineering technology, industrial engineering, mechanical engineering and nanosystems engineering curricula provide students with opportunities to learn cutting-edge manufacturing techniques.

**Hands-On Engineering Education**

The Louisiana Tech hands-on engineering curricula provide students with the experience necessary for successful entry into the workforce. Students in diverse engineering majors take core first- and second-year “Living with the Lab” courses together, gaining practical knowledge and skills while working on a variety of projects.

**First-Year “Living with the Lab” Courses**
- ENGINEERING 120 - Engineering Problem Solving I
- ENGINEERING 121 - Engineering Problem Solving II
- ENGINEERING 122 - Engineering Problem Solving III

**Second-Year “Living with the Lab” Courses**
- ENGINEERING 220 - Statistics & Mechanics of Materials
- ENGINEERING 221 - Electrical Engineering and Circuits
- ENGINEERING 222 - Thermodynamics

First-year students collaborate in small groups to develop designs and prototypes for a Freshman Design Expo early in their educational careers, and students cap off their time at Louisiana Tech by participating in a Senior Projects Conference, in which students research, work with industry and build functional prototypes.

**Manufacturing Facilities and Resources**

**Institute for Micromanufacturing (IIM)**

The Louisiana Tech Institute for Micromanufacturing (IIM) provides students, faculty and staff with more than 40,000 square feet of research labs, offices and cleanroom space for researching and implementing advancements in micro- and nanotechnology. The IIM facilities include state of the art micro and nanofabrication equipment and characterization tools for integrated nanomanufacturing and micromanufacturing. The University of Louisiana System has named the IIM as an Area of Excellence.

**The “Thingery”**

The “Thingery” at Louisiana Tech fosters interdisciplinary collaboration between the University’s students, faculty and staff focusing on innovation and entrepreneurship in engineering and technology. The Center for Entrepreneurship and Information Technology managed space is dedicated to providing Louisiana Tech innovators access to resources for designing, prototyping, packaging, manufacturing and commercialization.

All Louisiana Tech baccalaureate of science in engineering programs (except the new cyber engineering program) are accredited by the Engineering Accreditation Commission (EAC) of ABET, http://www.abet.org, and both bachelor of science programs in engineering technology are accredited by the Engineering Technology Accreditation Commission (ETAC) of ABET. http://www.abet.org. The Bachelor of Science in Computer Science is accredited by the Computing Accreditation Commission (CAC) of ABET, http://www.acb.org.

Louisiana Tech University is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate, baccalaureate, master’s, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call (404) 679-4500 with questions about the accreditation of Louisiana Tech University.

Louisiana Tech University adheres to the equal opportunity provisions of federal and civil rights laws, and does not discriminate on the basis of race, color, national origin, religion, age, sex, sexual orientation, marital status or disability.
Department of Engineering Technology

Producing Engineering Technologists for Louisiana & the World

Grambling State University engineering technology students are trained on the practical application of the principles of mathematics, science and engineering to the solution of real-world problems encountered in the industry and the society at large.

The department offers concentrations in drafting and design engineering technology, and electronics engineering technology leading to the bachelor of science degree in engineering technology. Both concentrations are accredited by the Engineering Technology Accreditation Commission of ABET (www.abet.org). Both of these programs provide options for students who are interested in a manufacturing career. In addition, a concentration in construction engineering technology is also offered in the department.

Courses relating to Manufacturing include:

- Computer-Aided drafting and Design
- Design of Machine elements
- Engineering Economic Analysis
- Engineering Materials and Processing
- Fundamentals of modern manufacturing
- Measurement and Instrumentation
- Programmable Logic Controllers
- Robotics and Automation
- Tool Drafting and Design

All these courses involve extensive amount of time in the laboratory where students are provided opportunity to acquire hands-on skills and experience in utilizing state-of-the-art instrument and equipment similar to what they are likely to encounter in the industry. Laboratory Facilities include:

- Industrial Robots Laboratory
- Computer Graphics & 3D Printers Laboratory
- Programmable Logic Controllers Laboratory
- Materials Testing Laboratory
- Measurements and Instrumentation Laboratory

Senior Design Project

All engineering technology majors participate in a capstone course in which they complete a design-build project in their last year of matriculation. This course allows students the opportunity to use the knowledge and skills they have acquired in their programs in the research, development and implementation of solution to real-world problems under the supervision of a faculty advisor.

For further information, contact:

Department of Engineering Technology
Box 4250 Grambling, LA 71245
GsuengineeringTech@gram.edu
(318) 274-2497/6123

Admissions:
Grambling State University
Office of Admissions
403 Main St., Box 4200
Grambling, LA 71245
(318) 274-6183

www.gram.edu
Advanced Manufacturing Technician
Associate Degree in Industrial Engineering Technology

Want to earn a minimum of $12/hour for a minimum of 24 hours a week while in college, then this program is for YOU!

Come find out about NSU’s new opportunity for you to earn money and gain experience while in college.

Contact us today!
NCA-La.com/AMT

Dr. Ali Ahmad
Head, Engineering Technology Department
Northwestern State University
ahmada@nsula.edu | 318-357-6751

Mrs. Laurie Morrow
Dean, Natchitoches Campus
Central Louisiana Technical Community College
lauriemorrow@ctgcc.edu | 318-357-3162

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New & Exciting Opportunity

III | NORTHWESTERN STATE

CENTRAL LOUISIANA TECHNICAL COMMUNITY COLLEGE

Natchitoches COMMUNITY ALLIANCE
Explore Career Opportunities in Welding

VISIT THE AMERICAN WELDING SOCIETY’S CAREERS IN WELDING TRAILER NOVEMBER 1-5 AT THE STATE FAIR OF LOUISIANA IN SHREVEPORT

- 5 virtual welding simulators
- Welding helmets and welding guns equipped with internal monitors to test your skill
- Like a video game, virtual welder scores your talent and you can compete against your friends!

The 53-foot single expandable trailer has 650 feet of exhibit space featuring welding fun facts and “Day in the Life of a Welder” video.

Visitors of all ages are invited to visit the Careers in Welding Trailer at no charge.
North Louisiana Manufacturing Week won the 2017 Excellence in Economic Development Silver Award in the Human Capital category, a highly competitive, peer-judged award, bestowed by the International Economic Development Council, the largest professional organization serving economic developers. These awards honor organizations and individuals for their efforts in creating positive change in urban, suburban, and rural communities. The Human Capital Award specifically distinguishes economic development efforts that develop strategic approaches to meet one or more of following objectives: 1) strengthening the skills of the workforce; 2) increasing and developing the pool of knowledge workers, including youth in the pipeline; 3) enhancing the skill sets of low-skilled and other disadvantaged workers; and 4) better integrating and aligning economic and workforce development activities through systematic attempts at building a workforce system.