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.*

Website: www.mmcla.org • Email: info@mmcla.org
Visit the Star Jobs website above to search for jobs that are in demand and pay a good salary. Star job ratings measure the level of demand and the salary of a particular occupation in a particular region of the state. Five-star jobs have high demand and a good salary that can dramatically improve with training and experience. When you find an occupation you are interested in, click on the link below it to see training available for that job nearby. Plus, check out the pages that follow to learn about manufacturing occupations and training programs in North Louisiana.

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Entry-Level</th>
<th>Typical Salary</th>
<th>Experienced Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bus/Truck Mechanics, Diesel Engine Specialist</td>
<td>19,941</td>
<td>38,805</td>
<td>60,845</td>
</tr>
<tr>
<td>Electrical Engineering Technician</td>
<td>30,111</td>
<td>53,556</td>
<td>72,255</td>
</tr>
<tr>
<td>Electrical Engineer</td>
<td>46,421</td>
<td>80,155</td>
<td>124,195</td>
</tr>
<tr>
<td>Electrician</td>
<td>32,378</td>
<td>50,753</td>
<td>70,471</td>
</tr>
<tr>
<td>Human Resources Specialist</td>
<td>26,644</td>
<td>51,838</td>
<td>81,846</td>
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<tr>
<td>Industrial Engineer</td>
<td>66,469</td>
<td>95,843</td>
<td>140,313</td>
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<tr>
<td>Industrial Machinery Mechanic</td>
<td>34,455</td>
<td>56,167</td>
<td>77,158</td>
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<tr>
<td>Machinist</td>
<td>29,604</td>
<td>48,213</td>
<td>71,152</td>
</tr>
<tr>
<td>Mechanical Engineer</td>
<td>44,770</td>
<td>83,576</td>
<td>124,195</td>
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<tr>
<td>Mobile Heavy Equipment Mechanic</td>
<td>31,764</td>
<td>46,239</td>
<td>62,205</td>
</tr>
<tr>
<td>Welders, Cutters, Solderers and Brazers</td>
<td>28,788</td>
<td>43,023</td>
<td>61,638</td>
</tr>
<tr>
<td>Aircraft Mechanics and Service Technician</td>
<td>49,263</td>
<td>58,903</td>
<td>67,783</td>
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<tr>
<td>Chemical Technicians</td>
<td>28,111</td>
<td>56,210</td>
<td>81,323</td>
</tr>
<tr>
<td>Crane and Tower Operators</td>
<td>25,944</td>
<td>43,471</td>
<td>60,191</td>
</tr>
<tr>
<td>Cutting, Punching and Press Machine Operator</td>
<td>26,930</td>
<td>35,385</td>
<td>46,311</td>
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<tr>
<td>Electrical Repairer, Industrial Equipment</td>
<td>41,924</td>
<td>55,692</td>
<td>70,126</td>
</tr>
<tr>
<td>Electrical Power-Line Installer and Repairer</td>
<td>26,355</td>
<td>46,049</td>
<td>69,417</td>
</tr>
<tr>
<td>Health &amp; Safety Engineer</td>
<td>39,364</td>
<td>75,801</td>
<td>120,271</td>
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<tr>
<td>Maintenance and Repair Worker, General</td>
<td>19,707</td>
<td>33,413</td>
<td>49,041</td>
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<tr>
<td>Maintenance Worker, Machinery</td>
<td>22,668</td>
<td>41,046</td>
<td>65,459</td>
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<tr>
<td>Mechanical Drafter</td>
<td>34,398</td>
<td>52,445</td>
<td>78,056</td>
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<tr>
<td>Millwright</td>
<td>34,732</td>
<td>49,954</td>
<td>65,229</td>
</tr>
<tr>
<td>Power Plant Operator</td>
<td>37,329</td>
<td>65,474</td>
<td>99,680</td>
</tr>
<tr>
<td>Purchasing Manager</td>
<td>55,621</td>
<td>96,603</td>
<td>158,639</td>
</tr>
<tr>
<td>Sheet Metal Worker</td>
<td>27,757</td>
<td>50,215</td>
<td>64,784</td>
</tr>
</tbody>
</table>

Note: These salaries do not include benefits like insurance or overtime. These benefits can significantly raise the overall level of pay you receive for a chosen occupation.
**Occupation Profile: Materials Manager III**

**Name:** Kathryn Childs  
**Company:** Frymaster  
**Job Title:** Materials Manager III

*What do you do day-to-day in your job?*
“A materials manager manages the material flow, inbound and outbound, from this facility. We manage the suppliers and their performance in getting the parts here to build the fryers, and then after the product is built you get it out the door and shipped to the customer on time. There is basic Materials Manager, Level I, you might manage a couple of people. As Materials Manager III, I manage the entire department plus I manage our shipping, receiving, materials, crating, service and bulk storage department, where we hold our raw materials.”

*What kind of training did you receive before you started or on the job?*
“I graduated from college with an accounting degree and started as a cost accountant but was able to get the job mainly because of where I worked during college. I worked part-time at a distribution company in Shreveport and getting to know and track inventory and managing its flow outbound helped open my eyes to manufacturing and distribution. Having that background along with my degree helped me get hired here. As a cost accountant, I was able to learn more about our billed materials, our product lines, how we build the product, and that got me into the materials department. I have been here for several years and worked my way up to where I am now.”

*How has this job impacted your life?*
“I am able to live life to the fullest outside of Frymaster. My husband and I get to go on trips internationally. Looking at my parents, I am able to do more now at my age, with my background, than they were able to at my age.”

---

**Occupation Profile: Safety Coordinator**

**Name:** Timothy Smith  
**Company:** International Paper Red River Mill  
**Job Title:** Safety Coordinator

*What do you do day-to-day in your job?*
“I go throughout the mill, talking to people to see where their mind is for that day, making sure it is on task, not stuck on a fight they had with their spouse or anything like that. I go to a lot of meetings and have a lot of projects with deadlines. I am working on this yearlong project that has to be done by December 31. It’s a bulk chemical unloading project, where I have to identify every unloading and loading point for truck and rail because we will start handing out maps to all the drivers that come in so they know exactly where to go. We want to make sure they are on the right line, because we don’t want one chemical to go to a spot where another is supposed to go for safety reasons.”

*What kind of training did you receive before you started or on the job?*
“I am in safety coordinator training now and hope to one day do safety for our Memphis corporate office in the Environment, Health and Safety department. Before this I was an operator and had a 5-week safety training for that. Before being hired I had no training, I was a stocker at a local grocery store.”

*How has this job impacted your life?*
“I have bought two cars, got a house and it’s something I would not have been able to do working for $9 an hour in my previous job. I’ve gotten better at time management because of this job.”
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 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.”

---

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.”
Occupation Profile:
Lab Analyst/Chemists

Name: TJ Cyr, Analytical Chemist

Name: Brandon Theus, Analystical 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.”

How has this job impacted your life?

Nate: “The job I have now is very important because I know the work I am doing helps clients do important work at power 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. While I was at my last job I was given supervisory experience, which is good experience for any other job.”
Occupation Profile:
**Industrial Engineer**

**Name:** Broderick Lewis  
**Company:** Weyerhaeuser, Dodson  
**Job Title:** Industrial Engineer, Professional Development Candidate

What do you do day-to-day in your job?
“The Professional Development program at Weyerhaeuser identifies college students or new Weyerhaeuser employees that have potential to be frontline leaders. You are assigned to a mill in your region and learn the whole process. After a year you get job offers from other mills in the region and decide where you want to go. My favorite thing so far is planning and project management. Working with contractors, drawing in AutoCAD, renting equipment; I love operating the equipment.”

What kind of training did you receive before you started or on the job?
“Most people in Professional Development Candidate (PDC) program do a one-year internship after college and join the PDC program after that. After college I worked as a production shift supervisor for about a year and a half at the Emerson, AR plant, then I was offered the PDC role at Dodson. My degree is in Industrial Engineering, which focuses on making things run as efficiently as possible, cutting down on wasted time and resources.”

How has this job impacted your life?
“Working with Weyerhaeuser has been life changing for me. I make a very good living; I have a new Jeep Wrangler and I was able to get a nice house in Dodson. I go to concerts, go on vacation; and I was able to take my fiancé on a cruise to Cozumel. I’ve gotten a lot of experience on working with other people.”

Any Advice?
“You would not be disappointed in a manufacturing career. I can’t wait to go to work every day. I love what I do. If you love working with people and don’t mind getting a little dirty sometimes, manufacturing is for you.”

---

Occupation Profile:
**Fab Tech**

**Name:** Johnthrone Gates  
**Company:** Frymaster  
**Job Title:** Fab Tech

What do you do day-to-day in your job?
“I’m a team leader, and I train and assist others when they have trouble. Pretty much make sure the shop is running on a consistent basis. We produce parts for the fryers. The CNC machine punches the metal, then we get all the rough edges off, then we send them to the press brake where the part is formed.”

What kind of training did you receive before you started or on the job?
“I was trained at Northwest Louisiana Technical College in Minden, in the Machine Shop program. This helped when I started my job because reading blueprints is one of the things I was required to do and I already knew how to do that from my classes so I was more advanced than some of the other guys that had been working here. Since I got here I have gotten a lot of safety training and have trained on all the machines and now when new people come on I help train them.”

How has this job impacted your life?
“I am able to take care of my kids and put them through college, put my wife through school. I have been able to purchase a home. Nowadays, if you are good and really apply yourself, companies will invest in you and that way you can make a nice salary.”

Any Advice?
“Go to technical school and get the experience you need. Experience equals confidence and confidence equals success. Take an 18-month course in anything - welding, machine shop, mechanic, electrician - at one of the technical colleges to get some experience and more knowledge for when you step into the job.”
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:

- **INFORMATION 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 and work toward a bachelor’s degree in engineering.
- **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 prepare students for joining tomorrow’s workforce. All eligible programs are 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

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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 503 and ADA: Alena Harris, Student Services, 2010 North Market St., Shreveport, LA 71107 - (318) 676-7811 - ahenaharris@nwltc.edu - 8:00 a.m. - 2:00 p.m. M-F excluding holidays and weekends. - Equity/Compliance Coordinator: Cindy Maggio, Director of Enrollment, 9900 Industrial Drive, Minden, LA 71055 - (318) 371-3035 - cindymaggio@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: Alex Harris, Student Services, 2010 North Market St., Shreveport, LA 71107 - (318) 676-7811 - alexaharris@nwltc.edu - 8:00 a.m. - 4:30 p.m. M-F excluding holidays and weekends. - Equity/Compliance Coordinator: Cindy Maggio, Director of Enrollment, 9500 Industrial Drive, Minden, LA 71055 - (318) 872-8065 - cindymaggio@nwltc.edu - 7:30 a.m. - 5:30 p.m. M-F excluding holidays and weekends.
Start Your Pathway to a Manufacturing Career

This certification for manufacturing (C4M) program focuses on the core skills and knowledge needed by production workers including forklift and OSHA 10 certifications.

Students will also receive:
- Forklift certification
- OSHA 10 certification
- WorkKeys® test certification
- NCCER Core
- MSSC CPT/CLA
- First Aid, CPR & AED Certification

Minimum Requirements:
- Driver’s License
- English Proficiency
- TABE Score Level of 8.0 or higher in Reading and Math
- Age 18 or older

Financial assistance may be available!

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7500 Millhaven Road • Monroe

Nicole Barfield: 318-345-9288 nicolebarfield@ladelta.edu
Charles Woodard: 318-345-9286 charleswoodard1@ladelta.edu

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- Express Employment Professional
- Graphic Packaging International
- Hydro Extrusion
- International Paper
- Manpower
- Roseburg Forest Products
- Steel Fabricators
- Westaff
- West Fraser
- West Rock
- Weyerhaeuser

“Like most employers, we find many job candidates lack or are deficient in the basic work skills needed to insure their success. We have found the C4M program addresses these deficiencies and prepares those students, who complete and receive certification, to enter new employment with strong work skills and bring improved value to our company.”

Ron Mason
Mid South Extrusion, Inc.
President & COO

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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?

- Technologists are more likely than engineers to focus on (post-development) implementation or operation of a technology.
- 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 typically start at $45,000 (https://www.bls.gov/ooh/).

- **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, Roy O Martin, 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, project management, quality control, 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.

Accreditation

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: Jafar F. Al-Sharab, PhD
Department Head, Engineering Technology
Northwestern State University
101 Williamson hall
Natchitoches, LA 71497
318.357.6751
jafar@nsula.edu

Joseph Cade Stepp
Asst. Director of Recruiting
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
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 (IFM)**

The Louisiana Tech Institute for Micromanufacturing (IFM) 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 IFM 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 IFM 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 marketing their ideas.

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All Louisiana Tech bachelor 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.abet.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) 679-4501 to question 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, 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
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Some of the participating manufacturers include:

- Alliance Compressors
- P&G
- Boise Cascade
- Stella-Jones
- Pilgrims
- RoyOMartin
North Louisiana Economic Partnership (NLEP), an Accredited Economic Development Organization, provides professional economic development services to a 14 parish region of North Louisiana, including lead generation and prospect management. The organization also represents the interests of North Louisiana with a unified voice and as a single point of contact. It acts as a catalyst, a convener, and a connector in the region to ensure that North Louisiana’s economic development potential is realized. Its vision is for North Louisiana to be a thriving region—a destination for high quality talent, innovative companies, and global investment. NLEP plans and coordinates North Louisiana Manufacturing Week. In 2017, NLEP received 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 (IEDC). This IEDC Award in the human capital category honors workforce initiatives which enhance workforce skills and the talent pipeline. Learn more about NLEP at www.NLEP.org