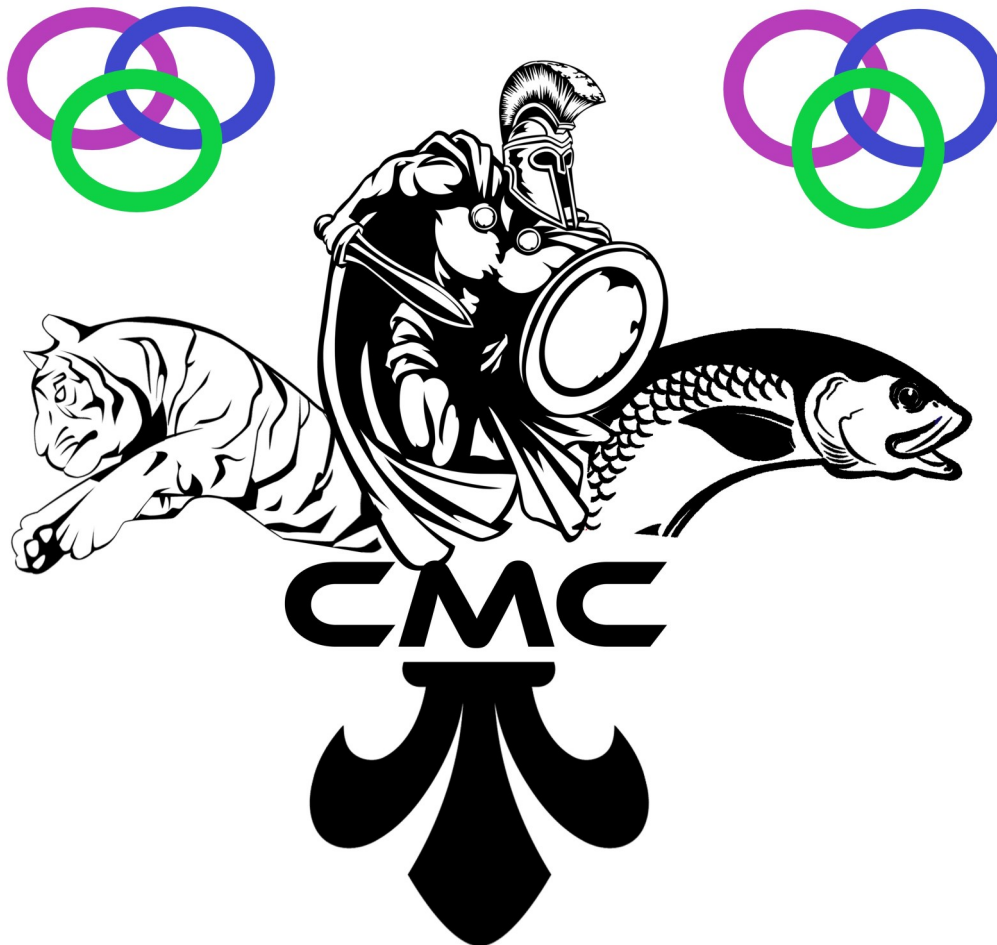


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# Course Offerings



**YOUR FUTURE BEGINS HERE**

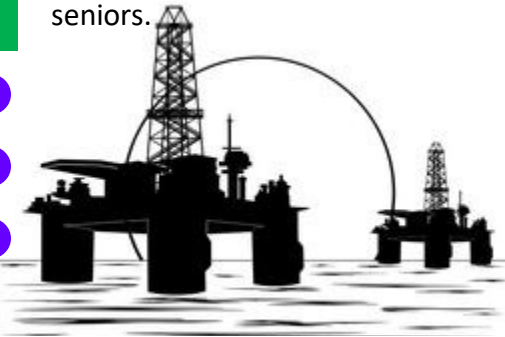
**Lafourche Parish Career Magnet Center  
6419 Highway 308  
Lockport, LA 70374  
985-532-6596**

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**IPTN (Integrated Production Technology)**: is dual enrolled college course with Fletcher Community College's IPTN program, and also includes a J. Schneider & Associates T2 Process Safety Certification upon satisfactory testing and training. This course concentrates on the operations and prevention of physical, environmental, and equipment hazards associated with aspects of chemical plants, electrical power stations, refineries, plant production facilities, and offshore oil and gas production facilities. Instruction for this class will include, but not be limited to, chemistry of hydrocarbons, technological safety engineering, operations and production, and the regulatory safety requirements pertaining. This course focuses on the career of operations within college required production industries. **\*\*\*IPTN2 and T2 courses are opened to all Seniors\*\*\***

**Maritime**: focuses on preparing well-disciplined students (**over** the age of **18 years old** who are graduating seniors) for federal required entry level maritime certifications, credentials, and necessary training to enter the maritime profession. These certifications and training's include, but are not limited to, HUET (Helicopter Underwater Escape Training), Firefighting, STCW (Standards in Training, Certification and Watchkeeping, PEC Core Compliance, SafeGulf SafeLand USA, HAZMAT, HAZWOPER, Fit for Duty, H2S, Crane Operations, Rigging, Security Planning, etc... Due to the scope of this training, all training is restricted to students **over** the age of **18 years old** who are graduating seniors.



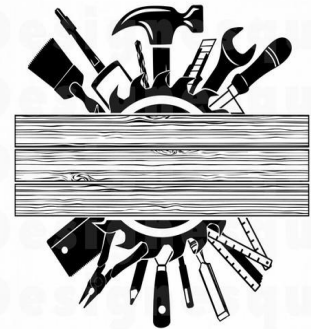
**Automotive**: The Auto Tech class is a post secondary caliber class. The information taught is the same as Technical Colleges. Students have to have a high school reading level to be successful. During Auto 1, the course teaches 3 areas (subjects) of the vehicle, out of the 8 areas. After each chapter there is a written test and shop tasks to perform for grades. After all chapters are completed in an area, students take ASE (Automotive Society of Engineers) online tests for a credential to graduate high school. If a student passes 3 areas online they then receive the higher level credential.





**Welding-1/2:** These programs open doors for our students if this is the career path a student chooses. We teach our students the basic of welding, oxy-fuel cutting, measurement and most of all safety. Our students have to past Module-1 safety course, which is a 2 week class before they can enter the Lab to do any of there other performance. Our Lab is mainly dealing with fire, electricity and pneumatic tools which range from 110 volts to 480 volts of electricity to 40 psi to 100 psi of air pressure and 3,500 to 5,500 degree of heat, this is why safety is our number one rule. Students are prepared for work after school which will include understanding weather conditions throughout the entire year to include hot and cold weather.

**Carpentry 1/2:** The carpentry program prepares students for a career in a field of high demand. This National Center for Construction Education and Research certified curriculum covers all aspects of the carpentry profession. In carpentry 1, you learn the basics of framing a house, and in carpentry 2, you learn the basics of finishing a house. During the course, there is book work and shop work. Students are expected to dress out every day, and will use dangerous power tools and nail guns so safety is a big part. Phones will be locked up or not brought to class. Class size maximum is 16 students. **\*\*Students enrolling in Carpentry should have passed CORE. Students will be required to wear steel toe shoes.**



**Cosmetology 1/2:** A career in cosmetology can open many doors for graduates by providing training and skills necessary to pursue careers in the movie industry as a make-up artist, cosmetic retail associate, cosmetologist or men's hairstylist. Students will be introduced to the basics of Cosmetology following the curriculum from Louisiana State Board of Cosmetology. This two year curriculum includes hands-on practical and technical procedures. Cosmetology students should perform average to above average in science courses. Students may earn up to 500 clock hours at the Career Magnet Center. Hours earned are transferable to South Louisiana Beauty College.



**ProStart I:** The program includes an industry-driven curriculum to teach, test and award industry-recognized certificates to students meeting high standards in foodservice and restaurant education. ProStart® is a two-year curriculum for 11th and 12th grade students developed by the National Restaurant Association Educational Foundation. This state-driven and industry-backed curriculum is based on the knowledge that high school students need to be successful in the restaurant industry. Coupled with relevant work-based experiences, this curriculum enriches, enhances, and reinforces what students learn in the classroom and provides students with opportunities to develop and practice skills critical to their future success. By integrating classroom learning with job experiences, ProStart® provides students with opportunities to learn and practice important skills related to leadership and responsibility. These skill sets serve as a foundation to professional, trained, and educated employees. It is a school-to-career path for high school students interested in the restaurant and foodservice industry. For additional information on ProStart visit the website--<http://prostart.restaurant.org/>. **1 Carnegie Unit--Students in a university or any career pathway are allowed to enroll.**



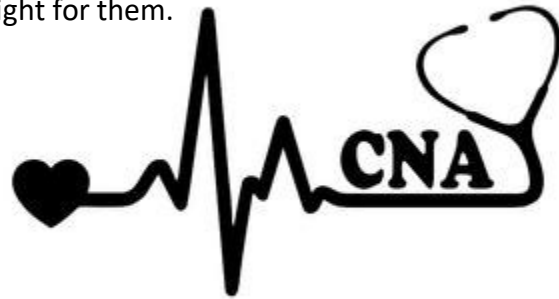
**ProStart II 2 Certifications (Certificate of Achievement and ServSafe Manager):** The program includes an industry-driven curriculum to teach, test and award industry-recognized certificates to students meeting high standards in foodservice and restaurant education. ProStart® is a two-year curriculum for 11th and 12th grade students developed by the National Restaurant Association Educational Foundation. This state-driven and industry-backed curriculum is based on the knowledge that high school students need to be successful in the restaurant industry. Coupled with relevant work-based experiences, this curriculum enriches, enhances, and reinforces what students learn in the classroom and provides students with opportunities to develop and practice skills critical to their future success. By integrating classroom learning with job experiences, ProStart® provides students with opportunities to learn and practice important skills related to leadership and responsibility. These skill sets serve as a foundation to professional, trained, and educated employees. It is a school-to-career path for high school students interested in the restaurant and foodservice industry. For additional information on ProStart visit the website--<http://prostart.restaurant.org/>.

The ServSafe Manager Certification verifies that a manager or person-in-charge has sufficient food safety knowledge to protect the public from foodborne illness. Individuals that successfully pass the 90-question, multiple-choice exam will receive a ServSafe Manager Certification and wallet card. The ServSafe Manager Certification is accredited by the American National Standards Institute (ANSI) under the Conference for Food Protection Standards. For additional information on ServSafe visit the website--[www.servsafe.com](http://www.servsafe.com) **\*\*Requirements for ProStart II : ProStart I and willing to work 400 hours for COA of industry hours outside of school, hours from ProStart I will transfer to ProStart II**

**Certified Nursing Assistant:** Students receive certification upon successful completion of course (classroom and clinical) and Prometric exam. With the certification, students can work in different settings as a CNA (hospital, home health, nursing home, assisted living facility, elder sitting, etc). In this class, students learn about anatomy and physiology with pathophysiology, effects of aging, basic nursing skill fundamentals, personal care skills, mental health needs, basic restorative services, resident's rights, communication skills, and safety and emergency procedures.

The course is Dual-Enrolled with Fletcher Community College. The CNA course is part of their LPN program.

Students will get hands on experience with patient care in the medical field. Clinical is done at the Broadway Elder Living and Rehabilitation facility. For students considering nursing, this would be an excellent class to explore if the nursing career is right for them.



**Intro to Emergency Medical Technician (EMR):** The certificate for successful completion of this course is a prerequisite for Emergency Medical Technician Basic. All course material is necessary as preparation for EMT training.



**Emergency Medical Technician (EMT Basic):** The student will learn the fundamentals of the emergency medical service system, safety, well-being of the technician, medical issues, legal issues, and ethical issues of the emergency medical care system. All instruction will meet the 1994 DOT curriculum standards. Students must be 18 to participate in the 24 hour clinical experience with a State Bureau of Emergency Medical Services (BEMS) approved ambulance service, but are ABLE to enroll in the class at 17. Students must pass a written and practical registry exam for Louisiana and national certifications. By taking this course as a senior in high school, the approximate cost savings is \$2500.00. **Prerequisites: This class is for seniors with a 2.0 or better GPA, EMR Certificate, a grade of C or better in Biology I, English III, Algebra I, and Medical Terminology.**

**Marine Diesel Engine Technician 1/2:** This program of study provides specialized classroom instruction and practical shop experiences to prepare individuals for employment as job entry-level marine diesel engine technicians. Students should expect to:

Be safety minded and respectful

Dress out daily

Wear necessary Personal Protective Equipment including steel toe boots and safety glasses.

Supply their own safety toe shoes

Participate in shop and class activities

Work in hot, cold, loud and dirty conditions.

Work with others as a team

Complete online assignments

Learn basic electricity (**Diesel II**)

Work with engine diagnostic software.

**\*\*\*Class size will be limited to 15 maximum**



**NCCER Electrical I and II:** The job of an electrician is a 5 star occupation which means 308,465 jobs will be available in Louisiana between now and April, 2017.

The National Center for Construction and Education Research (NCCER) curriculum will be followed. Students will be engaged in hands-on activities throughout the course. These courses are dual enrolled with Fletcher Community College and South Central Louisiana Technical College.

- **NCCER Level 1**

- Electrical Safety and Tools
- National Electrical Codes
- Electrical Theory
- Test Equipment
- Construction Drawings
- Residential Electrical Services
- 

- **NCCER Electricity Level 2**

- Motors
- Pull and Junction Boxes
- Circuit Breakers and Fuses
- Conductors
- Control Systems

An electrician may be employed on offshore platforms, new house construction, commercial construction, chemical plants, self-employed, and electric company lineman. This is a life skill that could save money for a home owner.







**Engineering Design 1 & 2 :** The course is a high school level course that is appropriate for 11th – 12th grade students who are interested in the design, engineering and programming of robots or another technical career. The students will receive a comprehensive overview of robotic systems and the subsystems that comprise them. Robotics is a lab-based course that uses a hands-on approach to introduce the basic concepts of robotics, focusing on the construction and programming of autonomous mobile robots. Course information will be tied to lab experiments; students will work in groups to build and test increasingly more complex mobile robots, culminating in an end-of-semester robot contest. We will be using VEX Robotic Design System as our platform. Students will be divided into groups and complete a variety of robot construction and programming activities within the confines of these groups.

●  
● **Allied Health Sciences:** This course will explore the health careers, a day in the life of a health professional, medical terminology, and hands-on activities. Job shadowing in health care facilities will be incorporated into this course. **This course is encouraged for juniors who are interested.**



**Medical Terminology and Allied Health Services:** Together, Medical Terminology and Allied Health Services provide students with the background knowledge to be successful in a variety of health care careers. Both courses are dual-enrolled with South Central Louisiana Technical College; therefore, students can earn a total of 6 credit hours at SCLTC while earning 2 Carnegie units in high school in a single school year.

**Allied Health Services (Fall)** covers human anatomy, physiology, and disease. **Medical Terminology (Spring)** serves as an introduction to medical terms by use of prefixes, suffixes, and anatomical roots.



**STAR I (Students Teaching and Reaching):** The STAR curriculum was designed by the Louisiana Department of Education to afford juniors and seniors an opportunity to acquire information about careers in education. Students who enroll in STAR 1 and 2 may earn college credits towards an education degree.

**For the following course please see requirements:**



Nicholls State University

## DUAL ENROLLMENT APPLICATION

### **Criteria for Eligibility:**

To be eligible for participation in the Dual Enrollment program at Nicholls State University students must:

- be at least 15 years of age by the start of the semester of enrollment.
- be enrolled in grades 11 or 12.
- have ACT or SAT scores. ACT or SAT scores will be used for admission and placement. Only students who have not yet taken ACT or SAT may use ASPIRE, MAP, Pre-ACT, Pre-SAT, or EOC scores.
- have a minimum ACT composite score of 19, SAT total score of 1010, ASPIRE composite score of 430, MAP language+math score of 490, Pre-ACT composite score of 19, or Pre-SAT total score of 1010.
- have a minimum ACT English score of 18, SAT ERW score of 500, Accuplacer Writing score of 250, ASPIRE English score of 433, MAP Language score of 245, Pre-ACT English score of 18, Pre-SAT ERW score of 500, or EOC English II score of 740.
- have a minimum ACT math score of 19, SAT math score of 510, Accuplacer QRAS score of 250, ASPIRE math score of 431, MAP math score of 265, Pre-ACT math score of 19, Pre-SAT math score of 510, or EOC Algebra I score of 760 (or EOC Geometry score of 750).
- have for College Algebra eligibility a minimum ACT math score of 20, Accuplacer QRAS score of 263, ASPIRE math score of 435, Pre-ACT score of 22, or EOC Algebra I score of 770 (or EOC Geometry score of 760).
- have a minimum high school GPA of 2.5.

**Algebra III DE/Advanced Math DE** may be taken by Juniors or Seniors, but it is specifically targeted toward Juniors.

- Students who do not take this course as a Junior may miss out on the opportunity to take Calculus DE, or Chemistry Lab DE if they take Algebra III as a senior.
- Students who do not obtain the ACT admission requirement for Chemistry I DE still qualify for that course if they meet Algebra III DE requirements and they enroll in Algebra III DE/Advanced Math DE.

### **Calculus DE**

completed Math 102 with a C or better OR a minimum ACT math score of 27, English score of 18, and composite of 19



## Nicholls State Admission Requirements

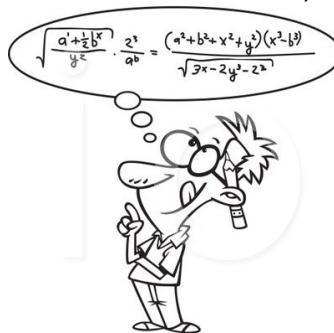
### Algebra III DE (fall semester)

- minimum ACT math score of 20, English score of 18, and composite of 19
  - If a student does not have the minimum ACT math score of 20, the Accuplacer may be substituted.
  - students who have not yet taken ACT or SAT may use ASPIRE, MAP, Pre-ACT, Pre-SAT, or EOC scores
  - See the official Nicholls DE Application for other eligibility criteria

Advanced Placement or CLEP scores are NOT a valid substitute for admission requirements. Only after students have already met admission requirements may they use AP or CLEP scores to receive credit for a course. Please do not enroll students into dual enrollment courses based solely on AP or CLEP.

### Advanced Math DE (spring semester)

completed Math 101 with a C or better OR a minimum ACT math score of 23, English score of 18, and composite of 19



## Junior Year Coursework

### Chemistry 105

Students will be enrolled in the Spring semester through Nicholls State University.

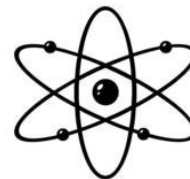
Students earn 3 credit hours which is transferrable to most Universities.

Students need an **ACT Math sub-score of 23** and an English ACT sub-score of 18 to enroll in Chemistry 105. OR.....

Students may also take Chemistry 105 if enrolled in Math 101 at the Career Magnet Center. **In this case, a student needs only a Math sub-score of 20 to enroll.**

Chem 105 is a prerequisite for Chemistry 106/109/ and 110 offered at the CMC (senior year)





## Senior Year Coursework

### Chemistry 106

Students earn 3 credit hours which is transferrable to most Universities.

Students who have completed Chem 105 will be enrolled in Chem 106 in the Spring 2020 semester through Nicholls State

This course satisfies two purposes:

**Non-science majors:** this course serves as the 2<sup>nd</sup> *consecutive* science, which satisfies most non-science majors at the college level. Non-science majors at the CMC will use this course to complete all science requirements for a Non-science degree.

**Science majors** (*pre-med, allied health, some engineering programs, science education, etc.*): this course, in combination with Chem 110 will complete all freshman inorganic chemistry requirements. (see Chem 110 course description below). Upon completion of Chem 106 and 110 at the CMC, students will enroll in sophomore level coursework at the college level (Organic Chemistry). Chem 106 is the prerequisite for Organic Chemistry.

**Note:** Science majors who do not enroll in Chem 110, will have to complete the lab course which accompanies inorganic chemistry at the college level.

**Students who have not completed Chem 105 in their Junior Year can schedule this course.** I will enroll these students in the Fall Semester for the DE credit. (the Fall semester serves as a review for those students who already have Chem 105 credit. All students will be enrolled at Nicholls in the Spring semester)

### Chemistry 109

Students earn 3 hours of college credit.

Chemistry 109 is a hybrid course that includes topics on Inorganic Chemistry, Organic Chemistry, and Biochemistry.

This course is primarily designed for **Nursing students of Nicholls State University. This course is also transferrable to the Nursing curriculum at University of Lafayette.**

Students who wish to enroll in Chem 109 will schedule Chemistry II Dual Enrollment along with Chemistry 106 DE students. (All Chem 106 and Chem 109 students will be scheduled into the same class. I will provide differentiated instruction to Chem 109 students.)

Much of the information/content will be taught via video lecture.

This course will not substitute for Chem 106 that is required for many other curriculums.

(Students do not have to decide between Chem 106 and Chem 109 until the Spring semester of the school year)

### Chemistry 110

Chem 110 is the lab component of Chem 105 and 106. (It substitutes for Chem 113 and 114 at Nicholls.)

Students earn 2 credit hours.

This course completes all Freshmen requirements of Inorganic Chemistry.

This course is typically a requirement for those majoring in a science-related field. Some degrees may not require this course. Students should look at the curriculums of their perspective colleges to determine if they will need this course.

Those students who are enrolled in Chem 109 in lieu of Chem 106 are not eligible for this dual enrollment credit. (although they may still enroll in the course at the CMC).

### ***Important Information concerning Dual Enrollment Courses***

Grades are based on percentages. EVERY ASSIGNMENT/TEST COUNTS.

Students that are struggling in these course (having less than a C average) have the right to withdraw from the course.

Students who withdraw from the course must reimburse Lafourche Parish School Board the cost of the course at \$50.00 per credit hour. (Chemistry 105 reimbursement = \$150.00)

### ***Below is a list of Core Classes offered:***

English III HR

English IV HR

Chemistry I HR

Algebra II HR

Advance Math HR

Business Math

Financial Lit.

Speech I



### ***Possible courses added for the 2020—2021 School Year (Depends on Interest):***

***STAR II:*** A continuation of STAR I with a more hands on approach to careers in education.  
(Possible DE with Nicholls State)

***Medical Assistant/Medical Coding:*** Patient Care Technician, a Jr. Level course which is an introduction to CNA, if the student wishes to take CNA their Senior year. This can also act as a single course if the student needs the fill a schedule. The Certified Patient Care Technician/Assistant (CPCT/A) credential allows student job opportunities assisting healthcare professionals in providing direct patient care in a variety of healthcare environments.

Medical Coding – Jr. Level Course, could possible embed this into the Patient Care Technician course.

### ***Certified Coding Specialist (CCS®)***

CCSs are skilled in classifying medical data from patient records, generally in a hospital setting. These coding practitioners:

Review patients' records and assign numeric codes for each diagnosis and procedure

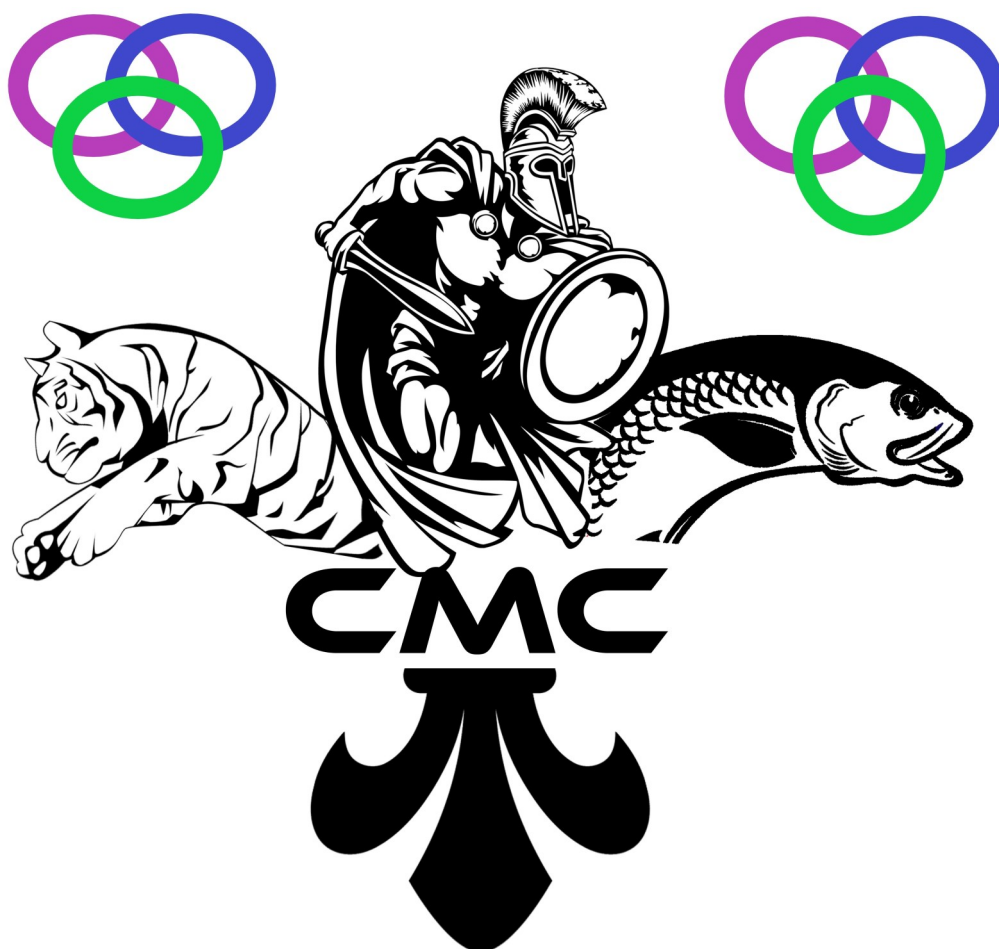
Possess expertise in the ICD-10-CM and CPT coding systems

Are knowledgeable about medical terminology, disease processes, and pharmacology.

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# **Join Us Today!**



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