Wharton County Junior College

SCANS Matrix

Program: Emergency Medical Services (EMSP)
CIP: 51.0904

Program: Emergency Medical Services

LIST ALL COURSES REQUIRED AND IDENTIFIED COMPETENCIES

Competencies								Course Number	Course Title
1	2	3	4	5	6	7	8		
	X	X	X	X	X	X	X	EMSP 1160	Clinical-Emergency Medical Technology/Technician (EMT Paramedic)
X	X			X			X	EMSP 1501	Emergency Medical Technician
X	X			X			X	EMSP 1291	Special Topics in Emergency Medical Technology / Technician
X	X			X			X	EMSP 1338	Introduction to Advanced Practice
X	X			X			X	EMSP 1355	Trauma Management
X	X			X			X	EMTP 1356	Patient Assessment and Airway Management
X	X		X	X			X	EMSP 2305	EMS Operations
	X	X	X	X	X	X	X	EMSP 2260	Clinical-Emergency Medical Technology/Technician (EMT Paramedic)
X	X	X		X			X	EMSP 2306	Emergency Pharmacology
X	X		X	X			X	EMSP 2330	Special Populations
X	X			X			X	EMSP 2434	Medical Emergencies
X	X			X		X	X	EMSP 2444	Cardiology
	X	X	X	X	X	X	X	EMSP 2261	Clinical-Emergency Medical Technology/Technician (EMT Paramedic)
X	X			X			X		
	X	X	X	X	X	X	X	EMSP 2262	Clinical-Emergency Medical Technology/Technician (EMT Paramedic)
	X	X	X	X	X	X	X	EMSP 2264	Practicum (or Field Experience) - Emergency Medical Technology/Technician (EMT Paramedic)

COMPETENCY REFERENCES

	8 **Basic use of computers**
	7 **Workplace Competencies**: resources; interpersonal skills; information; systems; and technology.
	6 **Personal Qualities**: A worker must display responsibility, self-esteem, sociability, self-management, integrity, and honesty.
	5 **Thinking Skills**: A worker must think creatively, make decisions, solve problems, visualize, know how to learn, and reason effectively.
	4 **Speaking and Listening**: Organize ideas and communicate orally; receive, attend to, interpret, and respond to verbal messages and other cues.
	3 **Arithmetic or Mathematics**: Perform basic computations and approach practical problems by choosing appropriately from a variety of mathematical techniques.
	2 **Writing**: Communicate thoughts, ideas, information, and messages in writing, and create documents such as letters, directions, manuals, reports, graphs, and flow charts.
	1 **Reading**: Locate, understand, and interpret written information in prose and in documents such as manuals, graphs, and schedules.

SCANS Competencies Checklist

Academic Year: 2023-2024

SCANS COMPETENCIES FOR PROGRAM: Emergency Medical Services

Competency	Course where Competency is Assessed	Method of Assessment	Improvements as a Result of Assessment Findings
1 READING: Locate, understand, and interpret written information in prose and in documents such as manuals, graphs, and schedules.	EMSP 1501, 1338, 1355, 1356, 1291, 2206, 2305, 2306, 2330, 2434, 2444, 2243	Scenario Assessments	Scenarios are working well with students and we continue to evolve in class scenarios. In EMSP 1501, occasional issues arise and are addressed identified.
2 WRITING: Communicate thoughts, ideas, information, and messages in writing, and create documents such as letters, directions, manuals, reports, graphs, and flow charts.	All EMSP courses	Report Writing and Documentation	If an issue is identified as students are submitting documentation; corrections are being made. Every clinical report is reviewed and if corrections are needed, the report is returned the report for corrections and then reevaluation.
3 ARITHMETIC OR MATHEMATICS: Perform basic computations and approach practical problems by choosing appropriately from a variety of mathematical techniques.	EMSP 2206, 1160, 2260, 2261, 2262, 2264	Formula calculations and basic computations.	EMS math labs are incorporated in several courses and assist the students with practical applications. As new medications are added or take of the list we adjust these assignments.
4 SPEAKING AND LISTENING: Organize ideas and communicate orally; receive, attend to, interpret, and respond to verbal messages and other cues.	EMSP 1160, 2305, 2330, 2260, 2261, 2262, 2264	Oral reporting, verbal reporting to receiving agencies, verbal orders to follow and team leader in scenarios and in clinical.	Students are improving with verbal skills as they progress through the program.
5 THINKING SKILLS: A worker must think creatively, make decisions, solve problems, visualize, know how to learn, and reason effectively.	All EMSP courses	Patient care assessments, critical thinking skills, and decision making.	Multiple activities have been incorporated at all levels to strengthen the student's critical thinking/problem solving skills and are reviewed at the end of each class.
6 PERSONAL QUALITIES: A worker must display responsibility, self-esteem, sociability, self-management, integrity, and honesty.	EMSP 1160, 2260, 2261, 2262, 2264	Student clinical evaluations.	There are very few issues with clinical evaluations. Once issues are identified, they are addressed with instructor/student meetings.
7 WORKPLACE COMPETENCIES: resources; interpersonal skills; information; systems; and technology	EMSP 1160, 2260, 2261, 2262, 2264, 2444	Field and clinical internships dealing with public and other public safety professionals.	Students are performing well. Many students are encouraged to apply for positions based on clinical/field rotations.

Competency	Course where Competency is Assessed	Method of Assessment	Improvements as a Result of Assessment Findings
8 BASIC USE OF COMPUTERS	All EMSP courses	Computerized exam testing in lecture/lab classes, computerized clinical documentation	Some students continue to struggle with their computer documentation and understanding of the software being used. Once the students are identified, a faculty member will discuss solutions. Some issues pertain to software compatibility with the student access point. Students are allowed use of college computers if their technology is unable to interface with our current software. There are less issues than in past years with upper level students.