

SCANS Matrix

| Program: Radiologic Technology CIP: 51.0911 | | | | | | | | 2017-2018 | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---|---|
| LIST ALL COURSES REQUIRED AND IDENTIFIED COMPETENCIES | | | | | | | | | |
| Competencies | | | | | | | | Course Number | Course Title |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | RADR 1409 | Intro to Radiology and Patient Care |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | RADR 1411 | Basic Radiographic Procedures |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | BIOL 2401 | Human Anatomy & Physiology I |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | RADR 2401 | Intermediate Radiographic Procedures |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | RADR 1313 | Principles of Radiographic Imaging I |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | RADR 1166 | Practicum I |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | RADR 1267 | Practicum III |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | BIOL 2402 | Human Anatomy & Physiology II |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | MATH 1314 | College Algebra |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | RADR 2205 | Principles of Radiographic Imaging II |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | RADR 1266 | Practicum II |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | RADR 2309 | Radiographic Imaging Equipment |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | RADR 2117 | Pathology |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | RADR 2331 | Advanced Radiographic Procedures |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | RADR 2266 | Practicum IV |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | ENGL 1301 | Composition I |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | PSYC 2301 | Psychology |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | RADR 2333 | Advanced Medical Imaging |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | RADR 2313 | Radiation Biology & Protection |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | RADR 2267 | Practicum VI |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | Humanities or Performing Visual Arts Course |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | RADR 2235 | Radiologic Technology Seminar |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | RADR 2366 | Practicum V |
| | | | | | | | | 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.



**Wharton County
Junior College**

SCANS Competencies Checklist

| SCANS COMPETENCIES FOR PROGRAM RADIOLOGIC TECHNOLOGY 2017-2018 | | | |
|---|--|--|--|
| Competency | Course where Competency is Assessed | Method of Assessment | Findings and Plans for Improvements |
| 1 READING: Locate, understand, and interpret written information in prose and in documents such as manuals, graphs, and schedules. | RADR 2117 | Reading Report Our benchmark for the Reading report will be 90 on a scale of 100 | 2017-86% average Benchmark Met We used an article from the ASRT journal and the students did very well. We will keep this measure for next cycle. |
| 2 WRITING: Communicate thoughts, ideas, information, and messages in writing, and create documents such as letters, directions, manuals, reports, graphs, and flow charts. | RADR 2117 | Research Paper Our benchmark for the Research Paper will be a 65 on a scale of 75. | 2017= 68.92 Our students typically do well on this assignment. We will keep this for the next cycle. |
| 3 ARITHMETIC OR MATHEMATICS: Perform basic computations and approach practical problems by choosing appropriately from a variety of mathematical techniques. | RADR 1313 RADR 2309 | Final Exam-1313 Final Exam-2309 Final Exam 1313- Our benchmark will be an 75 on a Scale of 100. Final Exam 2309- Our benchmark will be 75 on a Scale of 100. | 2018-84.8% was the average of the scores for the RADR 1313 final. We met the benchmark and will keep this as a tool and measure. 2017-87.92% was the average of scores for the RADR 2309 final. We well exceeded the benchmark so we will raise the benchmark to 85 for 2018. |
| 4 SPEAKING AND LISTENING: Organize ideas and communicate orally; receive, attend to, interpret, and respond to verbal messages and other cues. | RADR 2117 RADR 1309 | Speaking Assignment/Research Film-Doctor Listening Assignment Speaking- Our benchmark Will be a 15 on a scale of 25. Listening-Our benchmark will be a 95 on a scale of 100 | Speaking RADR 2117 result was 24.85 on a scale of 25 so they did very well. We will continue to use this tool and measure. Listening: RADR 1409-2017 the Doctor the students scored an average of 90 which did not meet the benchmark. We will change this assignment for the next cycle. |

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| | | | |
| 5 THINKING SKILLS: A worker must think creatively, make decisions, solve problems, visualize, know how to learn, and reason effectively. | RADR 2331 | Trauma Scenarios Our benchmark will be a 90 on a scale of 100. | 2017: 99.96 Although the students did very well we will change this tool and measure on the next cycle. We will use RADR 2267 clinical- Problem Solving section in Trajecsys. The student average score will be an 8 on a scale of 6-10. |
| 6 PERSONAL QUALITIES: A worker must display responsibility, self-esteem, sociability, self-management, integrity, and honesty. | RADR 2267 | Clinical Performance Evaluation -Ethics Our benchmark will be set a 8 on a scale of 6-10 | 2018-9.7 was the average of 10 clinical performance evaluations in Trajecsys. We will keep this tool and measure for the next cycle |
| 7 WORKPLACE COMPETENCIES: resources; interpersonal skills; information; systems; and technology | RADR 1266 | Master List Competencies Clinical Performance Evaluation Our benchmark will be set at 85% will score 70 on the Master List of Clinical Objectives score in RADR 1266. | 2017 17/18 students scored a 70 on the master list=94.4% We will continue to use this tool and measure for the next cycle. In order to comp on exam the student must use computers(digital equipment). |
| 8 BASIC USE OF COMPUTERS | RADR 2235 | HESI Modules using Computer Applications Our benchmark will be set at 65 (due to the difficulty) on a scale of 1-100. For the average of the four registry sections. | 2018-81.6% was the class average. The students have done very well on the HESI section exams as well as the real HESI. We will change this benchmark to 80 or higher on a scale of 1-100. |