

**Diagnostic Medical Sonography – Cardiac Sonography Track**

**Associate in Applied Science degree**

**Credential (Certificate, Diploma, AAS)**

**Program Coordinator: Saretta Craft E-mail:** [**saretta.craft@kctcs.edu**](mailto:saretta.craft@kctcs.edu) **Phone: 859-246-6553**

**Program Website:** [**https://bluegrass.kctcs.edu/education-training/programs/sonography/index.aspx**](https://bluegrass.kctcs.edu/education-training/programs/sonography/index.aspx)

**Student Name: Student ID:**

***Students must meet college readiness benchmarks as identified by the Council on Postsecondary Education or remedy the identified skill deficiencies.***

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| **This is a Selective Admissions program.**  **All non–DMS courses must be completed prior to enrollment in Diagnostic Medical Sonography courses.** | | | | | |
| **Required before DMS First Semester DMS Courses** | **Credit**  **Hours** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| AHS 120 Medical Terminology | 1 |  |  |  |  |
| BIO 137 Human Anatomy and Physiology or  BIO 135 Basic Anatomy and Physiology with Laboratory | 4 |  |  |  | BIO 137 and BIO 139 are preferred over BIO 135 |
| BIO 139 Human Anatomy and Physiology | 0 – 4 |  |  | BIO 137 |  |
| CPR 100 CPR for Healthcare Professionals | 0 – 1 |  |  |  | See Program Coordinator for exceptions. |
| NAA 100 Nursing Assistant Skills I or MNA 100 Medicaid Nurse Aide | 0 – 3 |  |  |  |
| ENG 101 Writing 1 | 3 |  |  |  |  |
| MAT 150 College Algebra or higher math course | 3 |  |  |  |  |
| PHY 171 Applied Physics or PHY 151 Introductory Physics I or PHY 152 Introductory Physics II | 3 – 4 |  |  |  | PHY 171 is preferred over PHY 151 or PHY 152 |
| Digital Literacy | 0 – 3 |  |  |  |  |
| Heritage or Humanities course | 3 |  |  |  |  |
| Social and Behavioral Sciences course | 3 |  |  |  |  |
| **Total Semester Credit Hours** | **20 – 32** |  |  |  |  |

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| **First Semester** | **Credit**  **Hours** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| DMS 146 Cardiac Techniques I | 12 | Fall |  | Digital Literacy, NAA 100, and CPR Certification  Coreq: DMS 147 |  |
| DMS 147 Cardiac Clinical Education I | 1 | Fall |  | Coreq: DMS 146 |  |
| **Total Semester Credit Hours** | **13** |  |  |  |  |

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| **Second Semester** | **Credits** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| DMS 119 Ultrasonic Physics and Instrumentation | 6 | Spring |  | Consent of Program Coordinator |  |
| DMS 207 Cardiac Techniques II | 7 | Spring |  | DMS 146 |  |
| DMS 247 Cardiac Clinical Education II | 2 | Spring |  | DMS 147 |  |
| **Total Semester Credit Hours** | **15** |  |  |  |

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| **Summer 12-week Term** | **Credits** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| DMS 199 Online Physics Review | 1 | Summer |  | DMS 119 |  |
| DMS 248 Cardiac Clinical Education III | 6 | Summer |  | DMS 247 |  |
| **Total Semester Credit Hours** | **7** |  |  |  |

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| **Third Semester** | **Credits** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| DMS 216 Cardiac Techniques III | 3 | Fall |  | DMS 207 |  |
| DMS 246 Cardiac Review | 1 | Fall |  | DMS 207 |  |
| DMS 249 Cardiac Clinical Education IV | 8 | Fall |  | DMS 248 |  |
| **Total Semester Credit Hours** | **12** |  |  |  |
| **Total Degree Credit Hours** | **67 – 75** |  |  |  |

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| * **25% or more of Total Program Credit Hours must be earned at BCTC** * **Cumulative GPA must be 2.0 or higher** |

**Graduation Requirements:**

**Advisor Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Advisor Contact\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **Selective Admissions** |
| The Diagnostic Medical Sonography program is a selective admissions program which admits students for initial admission only in the Fall semester. See the program website at <https://bluegrass.kctcs.edu/admissions/selective-admissions/diagnostic-medical-sonography.aspx> for selective admission information and mandatory pre-admission conference dates. |

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| **Additional Information** |
| * After completion of the prerequisite courses and acceptance into the program, this program requires attendance for consecutive Fall, Spring, Summer 12-week, and Fall terms. * CPR certification for the healthcare provider must be obtained prior to enrolling in DMS 146 and must be kept current throughout the program. * Documentation of successful completion of a minimum of 75 hour nursing assistant course or its equivalent and digital literacy competency as defined by KCTCS are required prior to enrolling in DMS 146. * A grade of C or higher in all Diagnostic Medical Sonography courses as well as a cumulative GPA of 2.0 or higher is required to continue in the program. |