[Diagnostic Medical Sonography – Cardiac Sonography Track](https://bluegrass.kctcs.edu/education-training/programs/sonography/index.aspx)

Associate in Applied Science

Coordinator: Dr. Lisa Moran ([Lisa.moran@kctcs.edu](mailto:Lisa.moran@kctcs.edu)) 859-246-6553

Student Name: Student ID:

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

**NOTE:** This is a Selective Admissions program. All non–DMS courses must be completed prior to enrollment in Diagnostic Medical Sonography courses.

Courses required before DMS First Semester

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | Cr. Hrs. | 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 Prof. OR  CPR certification | 0 – 1 |  |  |  | See Program Coord. for exceptions. |
| NAA 100 Nursing Assistant Skills I OR  MNA 100 Medicaid Nurse Aide | 0 – 3 |  |  |  | See Program Coord. for exceptions. |
| ENG 101 Writing 1 | 3 |  |  |  |  |
| MAT 150 College Algebra OR  Higher Level 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 |
| Heritage or Humanities course | 3 |  |  |  |  |
| Social and Behavioral Sciences course | 3 |  |  |  |  |
| Total Credit Hours | 20 – 32 |  |  |  |  |

Semester 1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | Cr. Hrs. | Term | Grade | Prerequisites | Notes |
| DMS 146 Cardiac Techniques I | 12 | Fall |  | NAA 100, and CPR Certification  Coreq: DMS 147 |  |
| DMS 147 Cardiac Clinical Education I | 1 | Fall |  | Coreq: DMS 146 |  |
| Total Semester Credit Hours | 13 |  |  |  |  |

Semester 2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | Cr. Hrs. | 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 |  |  |  |  |

Summer 12-week Term

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | Cr. Hrs. | Term | Grade | Prerequisites | Notes |
| DMS 248 Cardiac Clinical Education III | 6 | Summer |  | DMS 247 |  |
| Total Semester Credit Hours | 6 |  |  |  |  |

Semester 3

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | Cr. Hrs. | 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 | 66 - 74 |  |  |  |  |

**Graduation Requirements:**

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

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

**Selective Admission Information**

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](https://bluegrass.kctcs.edu/admissions/selective-admissions/diagnostic-medical-sonography.aspx) for selective admission information and mandatory pre-admission conference dates.

**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 on the academic plan as well as a cumulative GPA of 2.0 or higher is required to continue in the program.

*Reviewed by: Lisa Moran Effective Term: Spring 2021*

*Review Date: 2-11-2021*