

**CARDIO RESPIRATORY CARE SCIENCES ACADEMIC MAP:
DEGREE BS (120 CREDIT HOURS)**

This degree map is a semester-by-semester course schedule for students majoring in [Cardio Respiratory Care Sciences](#). The milestones listed to the right of each semester are designed to keep a student on track to graduate in four years. The schedule serves as a general guideline to help build a full schedule each semester. Milestones are courses and special requirements necessary for timely progress to complete a major. When one or more milestones are missed, students should consult with an academic advisor to determine if another degree path would be more suitable.

Respiratory Care (CRCS) is a profession which provides direct patient care through the administration of various treatment modalities and medications, performs diagnostic procedures, and manages sophisticated life-support equipment. Patients range from premature babies to elderly adults who suffer from a variety of cardiopulmonary disorders. Although the majority of respiratory care practitioners are employed by hospitals, there are also opportunities to practice outside of the standard hospital setting. Students learn in the classroom, laboratory and clinical environment to prepare to be a Registered Respiratory Therapist.

Students who wish to pursue the Bachelor of Science degree in Cardio-Respiratory Care Sciences (CRCS) must apply to the CRCS Admissions Committee for acceptance. Students must be formally admitted to the Cardio-Respiratory Care Sciences Program in order to take professional courses which begin in the junior year. See the Admissions Procedure for the Cardio-Respiratory Care Program at <http://www.tnstate.edu/cardio/admission.aspx> Applicants will be screened by the CRCS Admissions and Retention Committee and will be advised of the final decision regarding acceptance into the program by a representative of the Committee.

Students are expected to maintain a 2.0 cumulative GPA and earn a grade of "C" or above (equivalent to 75%) in all professional coursework, science/ math coursework, and to meet university general education requirements. Failure to do so may result in dismissal from the Program. Withdrawal from any Cardio-Respiratory Care Sciences course or failure to register for any semester without prior written approval from the department chair will result in dismissal from the Program. See the Retention Policy of the CRCS Program in the CRCS Student Handbook for more information.

Tennessee State University recognizes that students have diverse learning, life, and professional experiences. The University provides opportunities for students to earn college credit toward the degree through a number of assessment options that evaluate their learning experiences. These paths are grouped under the category "Prior Learning Assessment" (PLA). Various means of earning PLA credit at TSU are the following: Advance Placement Program, American Council of Education (ACE) Military Credit, American Council on Education (ACE) other Assessed Credit, College Level Exam Program (CLEP), DSST Credit by Examination Program (includes DANTES Examination), Institutional Course Challenge Exams (Departmental Exams), International Baccalaureate Credit, Other Military Service, Portfolio Assessment. To learn more about PLA contact your academic advisor or the Office of Student Support Services for Adult and Distance Learners (615) 963-7001.

Department Chair: Elizabeth Kunnu, Email: ekunnu@tnstate.edu

Mapping Coordinator: Dr. Christine Hamilton, Email: chamilt5@tnstate.edu

Department Web Address: <http://www.tnstate.edu/cardio>

Fall Schedule		Milestones
Semester 1	Hrs.	Semester 1
CRCS 1000	2	Minimum grade of "C" required
UNIV 1000*	1	
BIOL 2210 / 2211	4	Pre-Requisite Course: Must be taken before CRCS 2030, CRCS 3010/3011, CRCS 2120, CRCS 2320; Minimum grade of "C" required
CHEM 1110 / 1111	4	Pre-Requisite Course: Must be taken before CRCS 2030, CRCS 3010/3011, CRCS 2120, CRCS 2320; Minimum grade of "C" required
ENGL 1010	3	Pre-Requisite Course: Must be taken before HIST 2010, HIST 2020, HIST 2030, HIST 2050 or HIST 2700; Minimum grade "C" Required
Total hours	14	

*An Orientation course taken at another University does NOT meet this requirement. Students with less than 60 credit hours must take UNIV 1000 at TSU.

Spring Schedule		Milestones
Semester 2	Hrs.	Semester 2
BIOL 2220 / BIOL 2221	4	Pre-Requisite Course: Must be taken before CRCS 2030, CRCS 3010/3011, CRCS 2120, CRCS 2320; Minimum grade of "C" required
ENGL 1020	3	Pre-Requisite Course: Must be taken before HIST 2010, HIST 2020, HIST 2030, HIST 2050 or HIST 2700; Minimum grade "C" Required
Humanities / Fine Arts*	3	
MATH 1110	3	Pre-Requisite Course: Must be taken before CRCS 2030, CRCS 3010/3011; Minimum grade of "C" required; may substitute MATH 1710 (Pre-Calculus) only
Total hours	13	

*Humanities – Student must take 3 credit hours from the following list: ART 1010, THTR 1020, MUSC 1010, PHIL 1030, HIST 1210, HIST 1220, or RELS 2010.

Fall Schedule		Milestones
Semester 3	Hrs.	Semester 3
BIOL 2400 / 2401	4	Pre-Requisite Course: Must be taken before CRCS 2120; Minimum grade of "C" required
COMM 2200	3	
HIST 2010 *	3	Minimum grade of "C" required
Humanities / Fine Arts**	3	
Total hours	13	

*The Department recommends HIST 2010; however, HIST 2030, HIST 2050, HIST 2060 or HIST 2700 satisfy this requirement.

**Humanities – Student must take 3 credit hours from the following list: ART 1010, THTR 1020, MUSC 1010, PHIL 1030, HIST 1210, HIST 1220, or RELS 2010.

Spring Schedule		Milestones
Semester 4	Hrs.	Semester 4
ENGL Literature*	3	
HIST 2020**	3	May substitute HIST 2030
PSYC 2010	3	
SOCI 2010	3	
Total hours	12	

*ENGL 2012-2320 will meet this requirement; must have 3 credit hours in this discipline.

**The Department recommends HIST 2020; however, HIST 2030, HIST 2050, HIST 2060 or HIST 2700 satisfy this requirement.

Fall Schedule		Milestones
Semester 5	Hrs.	Semester 5
		Pre-Requisite: Students must be admitted to the professional coursework at junior level. In addition, all courses from semesters 1 through 4 must be complete before enrolling in Semester 5.
CRCS 2014	2	Co-Requisite Course: Must be taken with CRCS 3010/3011; Minimum grade of "C" required
CRCS 2030	3	Pre-Requisite Course: Must be taken before CRCS 4264, CRCS 4320; Co-Requisite Course: Must be taken with CRCS 2031; Minimum grade of "C" required
CRCS 2031	1	Minimum grade of "C" required
CRCS 2110	3	Pre-Requisite Course: Must be taken before CRCS 3040, CRCS 3050, CRCS 4320; Co-Requisite Course: Must be taken with CRCS 2030/2031; Minimum grade of "C" required
CRCS 3010	3	Pre-Requisite Course: Must be taken before CRCS 2044, CRCS 3020/3021, CRCS 3024; Minimum grade of "C" required
CRCS 3011	1	Minimum grade of "C" required
Total hours	13	All Semester 5 courses must be complete before enrolling in Semester 6.

Spring Schedule		Milestones
Semester 6	Hrs.	Semester 6
CRCS 2044	4	Minimum grade of "C" required
CRCS 2120	3	Minimum grade of "C" required
CRCS 2320	3	Minimum grade of "C" required
CRCS 3015	3	Pre-Requisite Course: Must be taken before CRCS 3016/3161, CRCS 3040, CRCS 3050, CRCS 3030, CRCS 4410; Co-Requisite Course: Must be taken with CRCS 2320; Minimum grade of "C" required
CRCS 3020	3	Pre-Requisite Course: Must be taken before CRCS 3024; Minimum grade of "C" required
CRCS 3021	1	Minimum grade of "C" required
CRCS 3151	1	Minimum grade of "C" required
Total hours	18	All Semester 6 courses must be complete before enrolling in Summer Semester 7A.

Summer Schedule		Milestones
	Hrs.	
Semester 7A		Semester 7A
CRCS 3016	2	Minimum grade of "C" required
CRCS 3040	3	Minimum grade of "C" required
CRCS 3050	2	Minimum grade of "C" required
CRCS 3161	1	Minimum grade of "C" required
Total hours	8	All Summer Semester 7A courses must be complete before enrolling in Semester 7B.

Fall Schedule		Milestones
Semester 7B	Hrs.	Semester 7
CRCS 3024	4	Pre-Requisite Course: Must be taken before CRCS 3224; Minimum grade of "C" required
CRCS 3030	3	Minimum grade of "C" required
CRCS 3110	2	Minimum grade of "C" required; must pass comprehensive examination
CRCS 3120	1	Minimum grade of "C" required; must pass comprehensive examination
CRCS 4264	3	Co-Requisite Course: Must be taken with CRCS 4320; Minimum grade of "C" required
CRCS 4320	3	Minimum grade of "C" required
Total hours	16	All Semester 7B courses must be complete before enrolling in Semester 8.

Spring Schedule		Milestones
Semester 8	Hrs.	Semester 8
		Take Senior Exit Exam and apply for graduation
CRCS 3224	4	Minimum grade of "C" required
CRCS 4224	3	Co-Requisite Course: Must be taken with CRCS 3224; Minimum grade of "C" required
CRCS 4410	3	Minimum grade of "C" required; must pass comprehensive examination
CRCS 4500	3	Minimum grade of "C" required
Total hours	13	

Employment Information:

Graduates who complete all the required courses for the BS degree are eligible to take the National Board Examinations for Respiratory Care leading to the Registered Respiratory Therapist credential. Most states also require licensure through the respective state Board of Health before employment.

Representative Job Titles Related to this Major: Students are prepared to assume the role of a Registered Respiratory Therapist. Positions include staff therapist, home care therapist, pharmaceutical/ manufacturer representative, clinical educator, college educator, clinical supervisor, and department manager in the field of respiratory care.

Representative Employers: Acute care hospitals, children's hospitals, sub-acute care facilities, colleges, clinics, long term care facilities, home care agencies, pharmaceutical companies, hospital equipment manufacturers, and durable medical equipment companies.

International study is available for all TSU students and may include opportunities for internships or taking course work towards various minors. International study may have an impact on the MAP; therefore, it is important to consult with the academic advisor for this major before participating in an international Program opportunity. Students interested in study abroad opportunities should contact the Office of International Programs and consult with their academic advisor.

This map is not intended to be a contract; either expressed or implied, between the University and the students, but represents a flexible program of the current curriculum which may be altered from time to time to carry out the academic objectives of the University. TSU specifically reserves the right to change, delete or add to any MAP at any time within the student's period of study at the University.
