MY DEGREE MAP
COLLEGE OF SCIENCE AND ENGINEERING
BIOMEDICAL SCIENCES
ACADEMIC YEAR 2025-2026

YEAR ONE			
FIRST SEMESTER	**HOURS**	**SECOND SEMESTER**	**HOURS**
TROY 1101 OR TROY 1105	1	ENGLISH 1102	3
ENGLISH 1101	3	CHM 1143	3
CHM 1142	3	CHM L143	1
CHM L142	1	BIO 1101	3
BIO 1100	3	BIO L101	1
BIO L100	1	MATH 1125	4
FREE ELECTIVE (MATH 1114 DR)	3		
TOTAL SEMESTER HOURS	15	TOTAL SEMESTER HOURS	15

YEAR TWO			
THIRD SEMESTER	**HOURS**	**FOURTH SEMESTER**	**HOURS**
AREA II LITERATURE	3	CHM 3343 DR	3
AREA IV HISTORY	3	CHM L343 DR	1
AREA II FINE ARTS	3	BIO 2229	3
CHM 3342	3	BIO L229	1
CHM L342	1	STAT 2210 OR BIO 3315	3
BIO 2220	3	AREA II HUMANITIES OR FINE ARTS	3
TOTAL SEMESTER HOURS	16	TOTAL SEMESTER HOURS	14

YEAR THREE			
FIFTH SEMESTER	**HOURS**	**SIXTH SEMESTER**	**HOURS**
AREA IV SOCIAL SCIENCE	3	PHYSICS SEQUENCE	3
MAJOR ELECTIVE	3	PHYSICS SEQUENCE LAB	1
MAJOR ELECTIVE LAB	1	BIO 3320	3
MAJOR ELECTIVE	3	AREA IV SOCIAL SCIENCE	3
MAJOR ELECTIVE LAB	1	MAJOR ELECTIVE	3
PHYSICS SEQUENCE	3	MAJOR ELECTIVE LAB	1
PHYSICS SEQUENCE LAB	1	MAJOR ELECTIVE	2
TOTAL SEMESTER HOURS	15	TOTAL SEMESTER HOURS	16

YEAR FOUR			
SEVENTH SEMESTER	**HOURS**	**EIGHTH SEMESTER**	**HOURS**
MAJOR ELECTIVE	3	BIO 4484	1
MAJOR ELECTIVE LAB	1	LDR 1100	3
MAJOR ELECTIVE	3	MAJOR ELECTIVE	3
MAJOR ELECTIVE LAB	1	MAJOR ELECTIVE LAB	1
AREA IV SOCIAL SCIENCE	3	MAJOR ELECTIVE	3
AREA II HUMANITIES OR FINE ARTS	3	MAJOR ELECTIVE LAB	1
		MAJOR ELECTIVE	2
		FREE ELECTIVE	1
FILE YOUR GRADUATION APPLICATION			
TOTAL SEMESTER HOURS	14	TOTAL SEMESTER HOURS	16

TOTAL PROGRAM HOURS: 120

AREA I		
ENG 1101	Composition and Modern English I (Minimum grade of C required)	3 Hours
ENG 1102	Composition and Modern English II (Minimum grade of C required)	3 Hours

AREA II	
Any 1000-2000 level course in Literature	3 Hours
Any 1000-2000 level course with an expanded historical and cultural scope in the Fine Arts, including the disciplines of Art, Music, Theatre, Film, or other Fine Arts areas.	3 Hours
Any two 1000-2000 level courses with an expanded historical and cultural scope in the Humanities/Fine Arts disciplines, including English, Foreign Languages, Nursing, Religion, Philosophy, Classics, Theatre, Music, Dance, Communication, Sign Language, Interdisciplinary Studies, or other Humanities/Fine Arts areas. Note: COM 1101 is a departmental recommendation. When selecting general studies courses in AREA II and/or AREA IV, you must complete a six-hour sequence in Literature or History. The course sequence must be completed in one content area.	6 Hours

AREA III		
MTH 1125	Calculus I (Minimum grade of C required)	4 Hours
BIO 1100 and BIO L100	Principles of Biology and Lab	4 Hours
CHM 1142 and CHM L142	General Chemistry I and Lab	4 Hours

AREA IV	
Any 1000-2000 level course with a primary focus in History.	3 Hours
Take any three 1000-2000 level courses from the following Social Science disciplines: Anthropology, Business, Criminal Justice, Economics, Education, Finance, Geography, History, Human Services, Hospitality, Sport, and Tourism Management, Leadership, Interdisciplinary Studies, Nutrition, Nursing, Political Science, Psychology, Religion, Social Work, Sociology, or other Social Science areas. When selecting general studies courses in AREA II and/or AREA IV, you must complete a six-hour sequence in Literature or History. The course sequence must be completed in one content area.	9 Hours

AREA V		
TROY 1101 or TROY 1105	The University Experience Learning Mindset Freshman Seminar	1 Hour 3 Hours
LDR 1100	Introduction to Leadership	3 Hours
BIO 1101 and BIO L101	Organismal Biology and Lab	4 Hours
CHM 1143 and CHM L143	General Chemistry II and Lab	4 Hours
Take one Physics sequence from the following:		
PHY 2252 and PHY L252 and PHY 2253 and PHY L253	General Physics I and Lab and General Physics II and Lab	4 Hours
PHY 2262 and PHY L262 and PHY 2263 and PHY L253	Physics I with Calculus and Lab And Physics II with Calculus and Lab	4 Hours

BIOMEDICAL SCIENCES		
BIO 2220	Principles of Cell Biology	3 Hours
BIO 2229	General Ecology	3 Hours
BIO L229	General Ecology Lab	1 Hour
BIO 3320	Genetics	3 Hours
BIO 4484	Senior Seminar in Biological & Environmental Sciences	1 Hour
CHM 3342	Organic Chemistry I	3 Hours
CHM L342	Organic Chemistry I Lab	1 Hour
BIO 3315 or STAT 2210	Introduction to Biostatistics or Introductory Statistics	3 Hours
CHM 3343 or CHM 3352	Organic Chemistry II (departmental recommendation) or Biochemistry	3 Hours
CHM L343 or CHM L352	Organic Chemistry II Lab (departmental recommendation) or Biochemistry Lab	1 Hour
	Complete 32 additional semester hours of approved upper-level biology, biochemistry (CHM 3352), or marine biology courses, or medical lab science courses (MLS-Hospital Internship students only). The 32 hours chosen should be based on future plans for employment, graduate school, or professional school. Biochemistry course(s) require an academic evaluator exception. Special Topics in Biology (BIO 4476), Guided Independent Studies (BIO 4491/4492) and Guided Independent Research (BIO 4493/4494) may only be taken for a maximum of 6 semester hours.	32 Hours

FREE ELECTIVES	
Take 4 semester hours of free electives. MTH 1114 is a departmental recommendation.	4 Hours

My Degree Map serves as a guide to assist you with the proper sequence and selection of courses. It includes the required coursework and suggested sequence of courses for a particular degree program. It does not replace your program evaluation, which is the official document used to clear students for graduation. Every reasonable attempt to ensure accuracy has been made. Some courses, such as developmental or pre-requisite courses, are not reflected in this degree map. Completion of degree requirements is based on the specific catalog year for each student. A minimum of 120 hours is required for all baccalaureate degree programs. At least 25% of the credit hours required for the degree must be completed in residency with Troy University. At least 12 semester hours of residency must be completed in each major field(s) of study. A minimum GPA of 2.0 overall and in the major is required to graduate. Please review the current Academic Catalog for other requirements not covered in this document. A sequence in literature or history is required. When selecting coursework in Areas II or IV, please consider this requirement. In order to graduate, students must meet all requirements and file a Graduation Application through the Graduation Overview tab in Self-Service by the deadline posted on the Academic Calendar.

SPECIAL NOTE FOR UNIVERSITY HONORS GLOBAL SCHOLARS

All students in the UHGS program are required to complete 12 credits of Honors courses, which include HON 1101 (3), HON 2201 (3), HON 3380 (3), and HON CORE 4498 (3). With the approval of the Honors Program Director, the Associate Provost for Academic Affairs, and the relevant academic Dean, these courses may be substituted for certain University General Studies requirements. In general, HON 1101 replaces TROY 1101 in Area V, while HON 2201/HON 3380/HON 4498 replace 9sh of free electives. If the degree program doesn't require free electives, or if the free electives section has been fulfilled, HON 2201/HON 3380/HON 4498 may replace Area II or Area IV credit hours, or major/minor electives in some cases, if approved by the Department Chair and/or Dean of the discipline.