

## 2+2 Articulation Agreement for Carroll Community College and Towson University

Associate's Degree: A.S. in Physical Science, Chemistry Concentration

Bachelor's Degree: B.S. in Molecular Biology, Biochemistry, (y)98.9 (-)1.7 ( (y)98.9 (-)1.7 ( 6 (s)-1o2 TJ [(in)6 ( o)7 (r)5 (de)8 (

	behavioral science course.	3	Equivalency will vary by course.
Biological & Physical Sciences	CHEM 105 Principles of General Chemistry 1	4	CHEM 131 & CHEM 131L General Chemistry I Lecture & Lab Equivalency varies by course:
Biological & Physical Sciences	Choose one course: fPHYS 101 Fundamentals of Physics 1 fPHYS 111 Physics 1 for Scientists & Engineers	4	fPHYS 211 General Physics I Non Calculus-Based fPHYS 241 General Physics II Calculus-Based
English Literature	ENGL 102 Writing about Literature	3	ENGL TLEnglish Lower Level Elective
Program Requirement	BIOL 101 Fundamentals of Biology 1	4	BIOL 200 & BIOL 200L Intro Cell Biology & Genetics Lecture & Lab

Total general education applied to the TU Core Curriculum: 34 credits

Students will transfer with a Core Package 3, which indicates that they must only complete the Advanced Writing Seminar (Core 9) and Ethical Perspectives (Core 14) requirements at TU. If a student takes an ethics course as an Arts & Humanities general education course, they will be required to complete another Core Curriculum requirement. The Towson Seminar (Core 1) requirement is waived for all incoming transfer students.

Table 2: Program Requirements and Electives Applied to TU Degree

Carroll CC Requirement	Carroll CC Course to Take	Credits	Towson University Equivalent Course
Program Requirement	CHEM 106 Principles of General Chemistry 2	4	CHEM 132 & CHEM 132L General Chemistry II Lecture & Lab
Program Requirement	CHEM 201 Organic Chemistry 1	5	CHEM T31 Organic Chemistry I
Program Requirement	CHEM 202 Organic Chemistry 2	5	CHEM T32 Organic Chemistry II
Program Requirement	MATH 136 Calculus of a Single Variable 2	4	MATH 274 Calculus II
Program Requirement	Choose one course: <del>f</del> PHYS 10 Fundamentals of Physics 2 <del>f</del> PHYS 212 Physics 2 for Scientists & Engineers	4	Equivalency varies by course: <del>f</del> PHYS 212 General Physics I Non Calculus-Based <del>f</del> PHYS 242 General Physics I Calculus-Based
Program Elective	BIOL 240 Genetics	4	BIOL T09 Genetics

Total program requirements applied to the TU degree: 26 credits

Total transferred to TU: 60 credits

Students may transfer a maximum of 64 credits. If students do not adhere to the courses outlined above, they are not guaranteed completion of the bachelor's degree in 2 years.

## Section 2: Carroll CC Course Selection Details

This section explains any specific course selections made in section 1 and provides transfer planning guidance specific to this degree plan. Students must follow the course selections outlined in this document. If students do not complete any or all

### Section 3: Degree Requirements to Be Completed at U

## Section 4: Additional Requirements for TU Degree Completion

### BACHELOR'S DEGREE REQUIREMENTS FOR ALL STUDENTS

- f* A C (2.0) or higher is required in all major courses and prerequisites.
- f* A cumulative grade point average (GPA) of 2.0 is required
- f* 32 units of the bachelor's degree must be completed at the upper level (courses numbered 300 or above)

### Degree Completion Summary

TOTAL UNITS REQUIRED FOR B.S. DEGREE	120 UNITS
Carroll CC A.S. Degree in Physical Science – Chemistry Concentration	60