

NEUROSCIENCE Recommended Course Sequence 2022-2023 Catalog

Cedar Crest College's Four-Year Graduation (4YG) Guarantee is open to all academically qualified candidates enrolled full-time in a 4-year bachelor's degree program, with the exception of Nuclear Medicine Technology. It does not apply to dual degree, fifth-year, or graduate programs. Provided students comply with all of the conditions of the program, Cedar Crest College will guarantee graduation within four years. The guarantee extends to one major only. While many students add additional majors and minors and finish within four years, Cedar Crest will not be able to provide four year guarantee in those cases.

<u>Conditions</u>	
By signing below,	is enrolled in the 4YG program for the Neuroscience major under the 2022-
2023 catalog requirements and agrees to	

- assume ultimate responsibility for monitoring academic progress and the completion of all academic requirements;
- enroll at Cedar Crest for four continuous academic years;
- remain in good academic standing;
- complete an average of 30 new credits in each academic year. Courses must be selected in consultation with her academic advisor and 4YG coordinator and must apply to the recommended course sequence on page 2;
- maintain the GPA requirements of the Neuroscience major and Liberal Arts Curriculum;
- meet regularly with her assigned academic advisor and 4YG coordinator following the schedule outlined below;
- resolve all outstanding holds that would prevent registration prior to the start of registration for each semester;
- register for classes each semester on the date appropriate for class standing as set forth by the Registrar;
- be responsive to communication from Cedar Crest College, including advisors and the 4YG coordinator;
- officially declare a Neuroscience major by the completion of 30 credits. If a change of major is requested after 30 credits, the ability to sign a new 4YG contract is not guaranteed.
- complete the following and all other Neuroscience major requirements:
 - Earn a minimum 2.0 cumulative GPA.
 - Earn a C- or better in all courses taken for major requirements.
 - Earn a C- or better in all prerequisite courses before proceeding to subsequent courses.
 - Complete freshman core courses during the first year of enrollment; sophomore core courses during the second year of enrollment; BIO 350 in third fall semester; and BIO 356 in the fourth fall semester
 - o Complete at least 3 credits toward the elective requirement prior to the final semester.
 - o Complete the CHE 111-112 sequence before the junior year.
 - o Begin the MAT 141-142 sequence no later than the fall of sophomore year.
 - o Abide by all other departmental policies and successfully meet all other graduation requirements.

The 4YG does not guarantee that courses will be offered at a particular time or on particular days, nor can it assure graduation in four years if accreditation agencies require immediate curricular changes. This agreement pertains only to the catalog specified; if major requirements change and the student elects to follow the newer requirements, this contract is void.

If a student meets all of the degree/program requirements but cannot graduate in four years because a course or courses are not available, the student will meet with her advisor as soon as the problem is discovered to discuss options for completion. These options could include a course substitution, an independent study, or permission to enroll in the course in a subsequent semester at no tuition cost to the student.

Required Meeting Schedule:

	Semester 1	Semester 2	Semester 3	Semester 4
Beginning of	Advisor	Advisor	Advisor	Advisor
Semester	4YG Coordinator	4YG Coordinator	4YG Coordinator	4YG Coordinator
Prior to registration	Advisor	Advisor	Advisor	Advisor
	4YG Coordinator	4YG Coordinator	4YG Coordinator	4YG Coordinator
	Semester 5	Semester 6	Semester 7	Semester 8
Beginning of	Advisor	Advisor	Advisor	Advisor
Semester	4YG Coordinator	4YG Coordinator	4YG Coordinator	4YG Coordinator
Prior to registration	Advisor	Advisor	Advisor	Advisor
	4YG Coordinator	4YG Coordinator	4YG Coordinator	4YG Coordinator
	tions set forth in this agree	ement		
agree to the stipula Student Signature		 Date	ID Number	Entry Term



FALL 2022				SPRING 2023			
Course	Cr	Title	_	Course	Cr	Title	$\overline{}$
BIO 123	4	Foundations in Biology		BIO 124	4	Principles of Cell and Molecular Biology	
CHE 111	4	Chemical Principles		CHE 112	4	Chemical Equilibrium and Analysis	
MAT 141	3	Calculus I		MAT 142	3	Calculus II	
FYS	3	First Year Seminar		WRI 100	3	College Writing	
CCC 101	0.5	College Life		CCC 102	0.5	Exploring Your Future	
FALL 202	23			SPRING 20	24		

TALL 2023			JI MING 2024				
Course	Cr	Title	$\overline{}$	Course	Cr	Title	$\overline{}$
BIO 239	4	Animal Ecology, Development, and Evolution		BIO 231	4	Genetics	
	3	Social Science LAC course**			3	Arts LAC course	
ETL 235	3	Ethical Life		CCC 20X	3	Sophomore Expedition	
	3	Elective***			3	Elective***	
	3	Elective***			3	Elective***	

FALL 2024				SPRING 20	SPRING 2025			
Course	Cr	Title	✓	Course	Cr	Title	✓	
BIO 350	2	Junior Colloquium		BIO 200	3	Introduction to Neuroscience		
BIO 330	3	Drugs and the Brain			3-4	Neuroscience elective*		
	3-4	Neuroscience Elective*			3	Humanities LAC course		
	3	Arts LAC course			3	Social Science LAC course**		
	3	Elective***			3	Elective***		

FALL 2025				SPRING 2026				
Course	Cr	Title			Course	Cr	Title	√
BIO 356	3	Science, Ethics, and Society			BIO 340	4	Advanced Brain Lab	
BIO 220	3	Sensation and Perception			PHY 105	4	College Physics II	
BIO 223	1	Sensation and Perception Lab				3	Humanities LAC course	
PHY 104	4	College Physics I				3	Elective***	
	3	Elective***				3	Elective***	

^{*} Choose 7 credits from: BIO 224, 248, 26X (Comparative Animal Physiology), 332, or 348; CHE 217 or 307 (recommended for Health Professions students); PSY 309, 317, 332, or 336. One course must include an associated lab.

Liberal Arts Curriculum (LAC) and College-Wide Requirements

Natural Science (SCI): 7 cr. total, one must be a lab-based course	Writing (WRI1, WRI2): 2 courses, 6 cr. total
1. BIO 123 2. BIO 124	1. WRI 100 2. BIO 356
Arts (ART): 6 cr. total, one must be a 3 cr. course	Humanities (HUM): 2 courses, 6 cr. total
1. 2.	1. 2.
Mathematics & Logic (ML): 6 cr. total, one must be a MAT course	Social Science (SS): 2 courses, 6 cr. total
1. MAT 141 2. MAT 142	1. 2.
Ethics (ETH): 1 course, 3 cr.	Global Studies (GS): 1 course, 3 cr.
1. ETL 235	1. CCC 201
Technology:	Information Literacy:
1. BIO 231, 239, 350, and 356	1. BIO 231, 239, 350, and 356
Oral Presentation:	

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1. BIO 124, 239, 350, and 356

^{**} PSY 100 and SOC 100 are recommended for Health Professions students.

^{***} Electives must be included to ensure that the overall total number of credits reaches the 120 credits needed to complete a degree.