

A.S. Science

ADVANCE Program Milestones

1. Students must take SDV 100 or SDV 101 in the first semester at NOVA.
2. Students must begin Developmental coursework in the first semester in ADVANCE at NOVA.
3. Students must take first college-level MTH course and ENG 111 in the semester immediately following the completion of any MTT or ENF courses (excluding summer).
4. In the first 30 credits, students must:
 - a. Complete ENG 111 and ENG 112 with a C or better.
 - b. Complete the first college-level MTH course with a C or better.
5. Students must complete at least six degree-applicable credits with a C or better each fall and spring semester.
6. Students must maintain a 2.5 cumulative GPA.
7. Students must apply for NOVA graduation and complete their Associate's degree.

	NOVA DEGREE REQUIREMENT	Credits	Courses	MASON TRANSFER EQUIVALENT	MASON CORE/DEGREE EQUIVALENT
1	SDV Course	1	SDV 100 College Success Skills OR SDV 101 Orientation to XXX	UNIV 100	Elective
2	ENG 111	3	ENG 111 College Composition I	ENGH 101	Written Comm
3	HIS Course	3	HIS 101 History of Western Civilization I OR HIS 102 History of Western Civilization II OR HIS 112 History of World Civilization II	HIST 101 HIST 102 HIST 125	Western Civ
4	MTH 167 or Science	5	MTH 167 Pre-Calculus with Trigonometry	MATH 105	Elective
5	ITE 115 or General Education	4	BIO 101 General Biology I	BIOL 103	Elective
6	ENG 112	3	ENG 112 College Composition II	ENGH XXX	Elective
7	CST Course	3	CST 100 Principles of Public Speaking OR CST 110 Introduction to Communication	COMM 100 COMM 101	Oral Comm
8	MTH 263	4	MTH 263 Calculus I	MATH 113	Quantitative
9	Social/Behavioral Sciences #1	3	PSY 200 Principles of Psychology	PSYC 100	Soc/Behav
10	Math or Science #1	4	CHM 111 General Chemistry I	CHEM 211-213	Nat Science
11	MTH 264 or MTH 245	3	MTH 245 Statistics I	STAT 250	Major
12	Science Course #1	4	PHY 201 General College Physics I	PHYS 243-244	Major
13	Humanities/Fine Arts #1	3	ART 100 Art Appreciation OR ART 101 History and Appreciation of Art I OR ART 102 History and Appreciation of Art II OR CST 130 Introduction to Theatre OR CST 151 Film Appreciation I OR MUS 121 Music Appreciation I	ARTH 101 ARTH 200 ARTH 201 THR 101 ENGH L372 MUSI 101	Arts
14	Math or Science #2	4	BIO 206 Cell Biology	BIOL 213	Major
15	Math or Science #3	4	CHM 112 General Chemistry II	CHEM 212-214	Nat Science
16	Science Course #2	4	PHY 202 General College Physics II	PHYS 245-246	Major
17	Social/Behavioral Sciences #2	3	GEO 220 World Regional Geography OR PLS 140 Introduction to Comparative Gov't OR PLS 241 International Relations I	GGG 101 GOVT 133 GOVT 132	Global
18	Humanities/Fine Arts #2	3	ENG 236 Introduction to the Short Story OR ENG 241 Survey of American Literature I OR ENG 242 Survey of American Literature II OR ENG 251 Survey of World Literature I OR ENG 252 Survey of World Literature II OR ENG 253 Survey of African-American Literature I	ENGH 202	Literature
A.S. SCIENCE DEGREE TOTAL		61			

B.S. Neuroscience

Students should consult with an advisor to choose appropriate elective courses, which must be approved by the director of the program. A sample of possible electives is given below. Students may apply no more than 6 credits of courses with a grade of D to this requirement. Students intending to pursue a doctorate in neuroscience or a medical degree are advised to take CHEM 313/315.

	MASON DEGREE REQUIREMENT	Credits	Course	MASON CORE/DEGREE EQUIVALENT
19	Gen Ed: Written Communication (UL)	3	ENGH 302 Advanced Composition	Written Comm
20	Foundation Courses	4	BIOL 311 General Genetics OR BIOL 322 Developmental Biology OR BIOL 326 Animal Physiology OR BIOL 425 Human Physiology OR BIOL 430 Advanced Human Anatomy and Physiology I	Major
21	Foundation Courses	3	PSYC 375 Brain and Sensory Processes	Major
22	Neuroscience Electives	3	Approved Neuroscience Elective course*	Major
23	Neuroscience Electives	3	Approved Neuroscience Elective course*	Major
24	Foundation Courses	3	PSYC 376 Brain and Behavior	Major
25	Foundation Courses	2	PSYC 373 Biopsychology Laboratory	Major
26	Neuroscience Electives	3	Approved Neuroscience Elective course* (Upper-level)	Major
27	Neuroscience Electives	3	Approved Neuroscience Elective course* (Upper-level)	Major
28	General Elective	3	General Electives (Upper-level See: Advisor)	Major
29	Foundation Courses	3	NEUR 327 Cellular, Neurophysiological, and Pharmacological Neuroscience	Major
30	Neuroscience Electives	3	Approved Neuroscience Elective course* (Upper-level)	Major
31	Neuroscience Electives	3	Approved Neuroscience Elective course* (Upper-level)	Major
32	Neuroscience Electives	3	Approved Neuroscience Elective course* (Upper-level)	Major
33	Neuroscience Electives	3	Approved Neuroscience Elective course* (Upper-level)	Major
34	Foundation Courses	3	NEUR 335 Molecular, Developmental, and Systems Neuroscience	Major
35	Foundation Courses	3	NEUR 410 Current Topics in Neuroscience OR NEUR 411 Seminar in Neuroscience	Writing Intensive
36	General Elective	3	General Electives (Upper-level See: Advisor)	Major
37	Gen Ed: Information Technology	3	CDS 130 Computing for Scientists	Info Tech & Major
38	Gen Ed: Synthesis	3	Approved Synthesis Course*	Synthesis

B.S. NEUROSCIENCE DEGREE

TOTAL 121

Denotes a course that must be taken at George Mason University. Please see your Success Coach to enroll.

*For approved Neuroscience Electives and Mason Core courses, please visit - <https://catalog.gmu.edu/colleges-schools/science/neuroscience-program/neuroscience-bs/#requirementstext>

For academic policies and procedures, please see Mason catalog - <https://catalog.gmu.edu/policies/>

Students interested in Pre-Health Professions (Pre-Med, Pre-Dentistry, Pre-Podiatry, Pre-Optometry, Pre-Veterinary, Pre-Pharmacy, Pre-Physician Assistant, Pre-Occupational Therapy, and Pre-Physical Therapy) are strongly encouraged to meet with the Health Professions Advisor regarding the appropriate prerequisite courses for their field of choice. For more information, please visit: <https://prehealth.gmu.edu/>

Students seeking a bachelor's degree must apply at least 45 credits of upper-level courses (numbered 300 or above) toward graduation requirements.