

APPENDIX B (from proposed AS BIO)

Articulated Pathways for an Associate of Science in Biology to Six Transfer-Universities

George Mason University (see last page for advising sheet – consistent with Advance/ AS Science and agreed to with Mason)

Start with Precalculus			Start with Calculus		
1st Semester		Cr	1st Semester		
SDV	100 College Success Skills or SDV 101	1	SDV	100 College Success Skills or SDV 101	1
ENG	111 College Composition 1	3	ENG	111 College Composition 1	3
¹ MTH	161 Pre-Calculus 1	3	MTH	263 Calculus with Analytic Geometry I	4
CHM	111 General Chemistry I w/Lab	4	CHM	111 General Chemistry I w/Lab	3
-----	Social Science Elective #1 (HIS 101 or 102)	3	-----	Social Science Elective #1 (HIS 101 or 102)	3
Total		14	Total		15
2nd Semester			2nd Semester		
ENG	112 College Composition II	3	ENG	112 College Composition II	3
² MTH	162 Pre-Calculus II	3	¹ MTH	264 Calculus with Analytic Geometry II	4
CHM	112 General Chemistry II w/Lab	4	CHM	112 General Chemistry II w/Lab	4
³ BIO	110 General Botany w/Lab	4	³ BIO	110 General Botany w/Lab	4
Total		14	Total		15
3rd Semester			3rd Semester		
MTH	263 Calculus with Analytic Geometry I	4	MTH	MTH 245 Statistics	3
⁴ -----	Humanities/Fine Arts Elective #1	3	⁴ -----	Humanities/Fine Arts Elective #1	3
³ BIO	120 General Zoology w/Lab	4	³ BIO	120 General Zoology w/Lab	4
⁵ -----	Social Science Elective #2	3	⁵ -----	Social Science Elective #2	3
CST	100 Principles of Public Speaking or 110 Intro. to Communications	3	CST	100 Principles of Public Speaking or 110 Intro. to Communications	3
Total		17	Total		16
4th Semester			4th Semester		
BIO	206 Cell Biology w/Lab	4	BIO	206 Cell Biology w/Lab	4
MTH	MTH 245 Statistics	3	PHY	201 College Physics I w/Lab	4
⁵ -----	Humanities/Fine Arts Elective #2	3	⁵ -----	Humanities/Fine Arts Elective #2	3
² -----	Social Science Elective #3	3	² -----	Social Science Elective #3	3
HIS	101 or 102 History of Western Civilization I or II	3	HIS	101 or 102 History of Western Civilization I or II	3
Total		16	Total		17

NOTES for transferring AS Biology to George Mason University

For students starting with Pre-Calculus, see all notes.

For students starting with Calculus, see notes 3 through 6.

1 & 2. College Ready students starting the AS in Biology degree who test into Precalculus

can begin with MTH 161 Precalculus I (3 credits) in first semester then take MTH 162 Precalculus II (3 credits) in the second semester. These courses are prerequisite for MTH 263 Calculus with Analytic Geometry I (4 credits)

A well prepared student may elect to take the faster paced, MTH 167 Precalculus (4 credits) in the first semester, then MTH 263 Calculus with Analytic Geometry I (4 credits) in their 2nd semester.

3. Students may take either BIO 110 General Botany, (4 credits) BIO 120 General Zoology (4 credits) first. Or students may take BIO 101, followed by BIO 102, which will provide a broader range of transfer to other universities. At GMU two courses completed, BIO 110 and BIO 120, transfers as a 4 credit BIOL 300 (Biodiversity at Mason), and 4 elective BIOL credits.

4. Humanities Electives #1 and #2, select from these transferrable courses:

ART 101 History and Appreciation of Art I

ART 102 History and Appreciation of Art II

MUS 121 Music Appreciation

REL 231 World Religions

5. Social Science Elective #2 and #3, select from these transferrable courses:

ECO 201 Principles of Macroeconomics

HIS 121 US History I

PLS 140 Intro to Comparative Politics

PSY Introduction to Psychology

SOC Introduction to Sociology



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November 7, 2018

Trudy Gillevet
Northern Virginia Community College

Dear Trudy:

As a follow up to the email I sent to Dr. Mucci, the Department of Biology supports the new AS in Biology as a positive step for the students. The NOVA courses as proposed in the AS in Biology will result in no loss of credit when a student transfers to George Mason University and will be beneficial to their overall success when they come to Mason.

If I can help in any other way, please let me know.

Sincerely,

A handwritten signature in black ink, appearing to read "Larry L. Rockwood".

Larry L. Rockwood, Chair
Department of Biology

Students may start an AS Science (soon to be AS Bio 2020, hopefully) with either precalculus or calculus.

Students who start NOVA in developmental math should take MTH 161 with MCR (corequisite) as SOON AS POSSIBLE to promote degree completion.

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