

Monmouth University  
Academic Evaluation  
Report Date: 04/07/23

**Student: Mr. James T. Allan (1032252)**

**Program:** BS Computer Science (CS.BS)  
**Catalog:** C1920  
**Anticipated Completion Date:** 08/31/23  
**E-Mail Address:** s1032252@monmouth.edu

This academic audit **\*MUST\*** be used in conjunction with your curriculum chart, and regular meetings with your academic advisor(s) to track your progress towards program completion.

The number of required overall credits reflects the minimum number of credits needed to earn a degree at Monmouth University. Individual programs may require additional credits to earn your degree.

Courses which receive a transitory grade (i.e. 'S'atisfactory Progress, 'I'ncomplete) will not reflect in the requirement as completed until a final grade has been recorded.

Any discrepancies in this audit are not binding.

Advisor: Jiacun Wang  
Class Level: Senior

**Program Summary: (In Progress)**

	Required	Current Earned	Current Remaining	Anticipated Additional	Anticipated Remaining
<b>Institutional Credits:</b>	32.00	86.00	0.00	12.00	0.00
<b>Institutional GPA:</b>	2.000	3.359	Met		
<b>Overall Credits:</b>	120.00	146.00	0.00	12.00	0.00
<b>Overall GPA:</b>	2.000	3.359	Met		

(\*) Anticipates completion of in-progress and registered and planned courses

**Program Requirements:**

**1: Computer Science/Adv. Computing (CS.A.MAJ.OUT.19) (Pending completion of unfinished activity)**

Credits Earned: 74

GPA Achieved/Needed: 3.114 / 2.100

Complete all 6 subrequirements:

**A: Major (Pending completion of unfinished activity)**

Computer Science/Advanced Computing Major Required Courses

Credits Earned: 36

Course	Title	Needed	Term	Grade	Credits	Notes
1. CS-104	Intro Problem Solving		20/SP	A	3	
2. CS-175	Intro Comp Sci I		20/SP	B+	3	

3. CS-175L	Intro Comp Sci I Lab	20/SP	A	1	
4. CS-176	Intro Comp Sci II	20/FA	B+	3	
5. CS-176L	Intro Comp Sci II Lab	20/FA	C	1	
6. CS-205	Data Struct & Algorithms	21/SP	B	3	
7. CS-205L	Data Struc & Algor Lab	21/SP	A	1	
8. CS-286	Comp Architect 1	21/FA	B	3	
9. CS-310	Adv Obj Orient Prog Design	22/SP	A-	3	
10. CS-325	Softw Eng Concepts	22/SP	B-	3	
11. CS-432	Database Systems	21/FA	B	3	
12. CS-438	Operating Syst Analysis	22/FA	A-	3	
13. CS-492A	CS Senior Project A	22/FA	A-	3	
14. CS-492B	CS Senior Project B	23/SP		3	*IP

## B: Major (Pending completion of unfinished activity)

Computer Science Electives - \*Check Curriculum Chart for Course Exceptions\*

Credits Earned: 9

### Electives: 400+ Level (Complete)

Take 3 Credits of Computer Science (CS) at the 400+ level

Course	Title	Needed	Term	Grade	Credits	Notes
1. CS-450	Cyber Security		22/FA	A	3	

### Electives: 200+ Level (Pending completion of unfinished activity)

Take 6 Credits of Computer Science (CS) at the 200+ level

Credits Earned: 6

1. CS-337	Enterprise Mobile Apps		21/FA	C-	3	
2. CS-371	Scripting Languages		23/SP		3	*IP

## C: Interdisciplinary (Pending completion of unfinished activity)

Credits Earned: 14

Course	Title	Needed	Term	Grade	Credits	Notes
1. MA-125	Calc Analy Geom 1		20/SP	T	4	*TE
2. MA-126	Calc Analy Geom II		20/SP	B+	4	
3. MA-130	Applied Discrete Math		20/FA	C	3	
4. MA-220	Prob & Stats I		23/SP		3	*IP

## D: Interdisciplinary (Complete)

GROUP 1:

Take 8 credits from ONE of the Following Groups:

GROUP A:

CE-111/CE-111L: General Chemistry I/Lab \*AND\*

CE-112/CE-112L: General Chemistry II/Lab

\*OR\*

GROUP B:

PH-211/PH-211L: General Physics with Calculus I/Lab \*AND\*  
 PH-212/PH-212L: General Physics with Calculus II/Lab  
 \*OR\*  
 GROUP C:  
 BY-109: Introduction to Biodiversity and Evolution \*AND\*  
 BY-110: Introduction to Cell and Molecular Biology

Credits Earned: 8

### GROUP 1B - Physics Grouping - 8 Credits (Complete)

Credits Earned: 8

Course	Title	Needed	Term	Grade	Credits	Notes
1. PH-111	Gen Physics Calc 1		20/SP	T	3	*TE
2. PH-111L	Lab Gen Phys Calc 1		20/SP	T	1	*TE
3. PH-112	Gen Physics w/Calc 2		20/SP	T	3	*TE
4. PH-112L	Lab Gen Phys Calc 2		20/SP	T	1	*TE

### E: Interdisciplinary (Complete)

GROUP 2: Guided Electives

Take 4 Additional Credits (not taken above) from the Following Courses:

BY-109: Introduction to Biodiversity and Evolution  
 BY-111: Anatomy and Physiology I  
 BY-223: General Microbiology  
 CE-111 and CE-111L: General Chemistry I and Lab  
 CE-220 and CE-220L: Environmental Chemistry and Lab  
 CE-221 and CE-221L: Quantitative Analysis and Lab  
 CE-241 and CE-241L: Organic Chemistry I and Lab  
 PH-211 and PH-211L: General Physics with Calculus I and Lab

GROUP 2 - Guided Electives - 4 Credits

Course	Title	Needed	Term	Grade	Credits	Notes
1. BY-109	Intro Biodiverse Evol		22/SP	C+	4	

### F: Interdisciplinary (Pending completion of unfinished activity)

Take 3 Credits from the following courses:

PH-301: Modern Physics  
 PH-302: Theoretical Physics  
 BY-201: Introduction to Biotechnology  
 BY-205: Zoology  
 BY-214: Botany  
 BY-220: Environmental Biology and Policy  
 BY-221: Introduction to Global Sustainability  
 MA-221: Linear Algebra  
 MA-225: Calculus with Analytic Geometry III  
 MA-311: Differential Equations  
 MA-318: Combinatorics and Graph Theory  
 MA-320: Probability and Statistics II

Course	Title	Needed	Term	Grade	Credits	Notes
1. BY-221	Global Sustainability		23/SP		3	*IP

## 2: 20.MIN.GIS - Minor in Geographic Info. Systems (Complete)

Credits Earned: 15      GPA Achieved/Needed: 3.940 / 2.100

Complete both subrequirements:

Institutional Credits Earned/Anticipated/Reqd: 15.00 / 0.00 / 9.00

### A: Minor (Complete)

#### Minor in Geographic Information Systems

Credits Earned: 9

Course	Title	Needed	Term	Grade	Credits	Notes
1. GIS-224	Intro to GIS		20/FA	A	3	
2. GIS-324	Spatial Data		21/FA	A	3	
3. GIS-325	Spatial Analysis		21/SP	A	3	

### B: Minor (Complete)

Take 6 Credits from the Following Courses:  
GO-125: Maps and Mapping  
GIS-235/HLS-235: GIS Applications in Homeland Security  
GIS-335/HLS-335: Advanced GIS and Homeland Security  
BY-251: Field Research Methods in Marine Science  
GIS-336: Marine Applications of Geographic Info Systems  
GIS-400: Research Methods in GIS  
GIS-489: GIS Internship  
GIS-499: GIS Independent Study

Credits Earned: 6

Course	Title	Needed	Term	Grade	Credits	Notes
1. GIS-235	GIS Appl in HLS		22/SP	A-	3	
2. GO-125	Maps and Mapping		22/FA	A	3	

### 3: WT.CS - Writing Intensive Requirement (Complete)

TWO WRITING INTENSIVE COURSES IN COMPUTER SCIENCE WITH COURSE\*TYPE = 'WT' (0 CRS.)

Credits Earned: 6

Course	Title	Needed	Term	Grade	Credits	Notes
1. CS-325	Softw Eng Concepts		22/SP	B-	3	
2. CS-310	Adv Obj Orient Prog Design		22/SP	A-	3	

### 4: General Education: CD/GU or Language (CDGU2015) (Complete)

Credits Earned: 6

Complete 1 of 2 subrequirements:

#### A: CD/GU Requirement (Complete)

Credits Earned: 6

#### CULTURAL DIVERSITY (Complete)

Take 3 Credits from Courses Designated with Course\*Type: CD

Course	Title	Needed	Term	Grade	Credits	Notes
1. GS-225	Intro Gender Studies		20/SP	T	3	*TE

## GLOBAL UNDERSTANDING (Complete)

Take 3 Credits from Courses Designated with Course\*Type: GU

1. SW-205	Global Hum Ri & Soc Jus	20/FA	A	3
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## 5: General Education Coursework (GE2019) (In progress)

Credits Earned: 40

Complete all 13 subrequirements:

### A: First Year Seminar (Complete)

\*Waived for transfer students with a minimum of 18 transfer credits.

Course	Title	Needed	Term	Grade	Credits	Notes
1. FY-101	First Year Seminar		12/12/19		0	*TE

### B: Reading & Writing (Complete)

Credits Earned: 6

Course	Title	Needed	Term	Grade	Credits	Notes
1. EN-101	College English 1		20/SP	T	3	*TE
2. EN-102	College English 2		20/SP	T	3	*TE

### C: Mathematics (Complete)

Take 3 Credits from Mathematics (MA) \*Except MA-050 or MA-101

Course	Title	Needed	Term	Grade	Credits	Notes
1. MA-126	Calc Analy Geom II		20/SP	B+	4	

### D: Natural Sciences (Complete)

Take 6 Credits from Biology (BY), Chemistry (CE), Physics (PH), Geology (GL), or Science (SC) \*OR\* Take GO-103

Credits Earned: 6

Course	Title	Needed	Term	Grade	Credits	Notes
1. BY-103	Environmental Science		20/FA	B-	3	
2. PH-150	Principles of Astronomy		21/SP	B	3	

### E: Literature (Complete)

Take 3 Credits from courses designated with Course\*Type = LIT

Course	Title	Needed	Term	Grade	Credits	Notes
1. EN-212	Lit of Oppression		21/SP	B+	3	

### F: Aesthetic/Creativity (Complete)

Take 3 Credits from Art (AR), Music (MU), Theatre (TH), or Dance (DA)

Course	Title	Needed	Term	Grade	Credits	Notes
1. AR-101	Art Appreciation		20/SP	A	3	

### G: Technological Lit. (Complete)

Take 1 Course from Courses designated with Course\*Type = TL

Course	Title	Needed	Term	Grade	Credits	Notes
1. CS-104	Intro Problem Solving		20/SP	A	3	

### H: Reasoned Discourse (Complete)

Take 1 Course from Courses designated with Course\*Type = RD

Course	Title	Needed	Term	Grade	Credits	Notes
1. CS-492A	CS Senior Project A		22/FA	A-	3	

### I: Historical (Complete)

Take 3 Credits from Courses designated with Course\*Type = HS.SV

Course	Title	Needed	Term	Grade	Credits	Notes
1. HS-105	The Verdict of History		20/SP	A	3	

### J: Social Sciences (Complete)

Take 3 Credits from Courses designated with Course\*Type = SS.SV

Credits Earned: 3

#### Course Type SS.SV (Complete)

Course	Title	Needed	Term	Grade	Credits	Notes
1. GIS-224	Intro to GIS		20/FA	A	3	

### K: Historical/Soc. Sci. (Complete)

TAKE ONE: 3 CREDITS WITH COURSE\*TYPE = HS.SV OR 3 CREDITS WITH COURSE\*TYPE = SS.SV

Credits Earned: 3

#### Course Type HS.SV (Complete)

Course	Title	Needed	Term	Grade	Credits	Notes
1. HS-101	West Civ World Persp 1		20/SP	T	3	*TE

### L: Interdisciplinary (Complete)

INTERDISCIPLINARY PERSPECTIVES:  
Take 3 Credits from Courses designated with Course\*Type = ISP

Course	Title	Needed	Term	Grade	Credits	Notes
1. PR-432	Ethics Prf Sci Engineer		22/SP	A-	3	

### M: Experiential Ed. (Not started)

Take 1 Course from Courses designated with Course\*Type = EX

Course	Title	Needed	Term	Grade	Credits	Notes
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**6: 54 Minimum Credits At the 200+ Level (54.Credits) (Complete)**

Take a Minimum of 54 Credits at the 200+ Level (54 CRS.)

Credits Earned: 56

Course	Title	Needed	Term	Grade	Credits	Notes
1. SW-205	Global Hum Ri & Soc Jus		20/FA	A	3	
2. GIS-224	Intro to GIS		20/FA	A	3	
3. EN-212	Lit of Oppression		21/SP	B+	3	
4. CS-205L	Data Struc & Algor Lab		21/SP	A	1	
5. CS-205	Data Struct & Algorithms		21/SP	B	3	
6. GIS-325	Spatial Analysis		21/SP	A	3	
7. GIS-324	Spatial Data		21/FA	A	3	
8. CS-432	Database Systems		21/FA	B	3	
9. CS-337	Enterprise Mobile Apps		21/FA	C-	3	
10. CS-286	Comp Architect 1		21/FA	B	3	
11. CS-325	Softw Eng Concepts		22/SP	B-	3	
12. GIS-235	GIS Appl in HLS		22/SP	A-	3	
13. PR-432	Ethics Prf Sci Engineer		22/SP	A-	3	
14. CS-310	Adv Obj Orient Prog Design		22/SP	A-	3	
15. CS-492A	CS Senior Project A		22/FA	A-	3	
16. CS-450	Cyber Security		22/FA	A	3	
17. CS-438	Operating Syst Analysis		22/FA	A-	3	
18. GS-225	Intro Gender Studies		20/SP	T	3	*TE
19. FE-002	200 Lvl Free Elect		20/SP	T	1	*TE
20. FE-002	200 Lvl Free Elect		20/SP	T	3	*TE

**7: 120 Minimum Credits to Graduate (120.CREDITS) (Complete)**

Courses Listed Below Include Free Electives/Liberal Arts Electives Which May Be Required for this Program

Credits Earned: 120

Course	Title	Needed	Term	Grade	Credits	Notes
1. HS-105	The Verdict of History		20/SP	A	3	
2. AR-101	Art Appreciation		20/SP	A	3	
3. MA-126	Calc Analy Geom II		20/SP	B+	4	
4. CS-104	Intro Problem Solving		20/SP	A	3	
5. CS-175L	Intro Comp Sci I Lab		20/SP	A	1	
6. CS-175	Intro Comp Sci I		20/SP	B+	3	
7. SW-205	Global Hum Ri & Soc Jus		20/FA	A	3	
8. BY-103	Environmental Science		20/FA	B-	3	
9. MA-130	Applied Discrete Math		20/FA	C	3	
10. GIS-224	Intro to GIS		20/FA	A	3	
11. CS-176L	Intro Comp Sci II Lab		20/FA	C	1	
12. CS-176	Intro Comp Sci II		20/FA	B+	3	
13. PH-150	Principles of Astronomy		21/SP	B	3	

14. EN-212	Lit of Oppression	21/SP	B+	3	
15. CS-205L	Data Struc & Algor Lab	21/SP	A	1	
16. CS-205	Data Struct & Algorithms	21/SP	B	3	
17. GIS-325	Spatial Analysis	21/SP	A	3	
18. GIS-324	Spatial Data	21/FA	A	3	
19. CS-432	Database Systems	21/FA	B	3	
20. CS-337	Enterprise Mobile Apps	21/FA	C-	3	
21. CS-286	Comp Architect 1	21/FA	B	3	
22. BY-109	Intro Biodiverse Evol	22/SP	C+	4	
23. CS-325	Softw Eng Concepts	22/SP	B-	3	
24. GIS-235	GIS Appl in HLS	22/SP	A-	3	
25. PR-432	Ethics Prf Sci Engineer	22/SP	A-	3	
26. CS-310	Adv Obj Orient Prog Design	22/SP	A-	3	
27. CS-492A	CS Senior Project A	22/FA	A-	3	
28. GO-125	Maps and Mapping	22/FA	A	3	
29. CS-450	Cyber Security	22/FA	A	3	
30. CS-438	Operating Syst Analysis	22/FA	A-	3	
31. EN-101	College English 1	20/SP	T	3	*TE
32. MA-109	Pre-Calculus Math	20/SP	T	4	*TE
33. FE-001	100 Lvl Free Elect	20/SP	T	3	*TE
34. FE-001	100 Lvl Free Elect	20/SP	T	1	*TE
35. CE-111L	Lab Gen Chem 1	20/SP	T	1	*TE
36. AN-107	Intro to Archaeology	20/SP	T	3	*TE
37. PH-111L	Lab Gen Phys Calc 1	20/SP	T	1	*TE
38. PH-111	Gen Physics Calc 1	20/SP	T	3	*TE
39. FE-001	100 Lvl Free Elect	20/SP	T	3	*TE
40. MA-001	100 Lvl Math Elect	20/SP	T	1	*TE
41. FE-001	100 Lvl Free Elect	20/SP	T	3	*TE
42. PH-112	Gen Physics w/Calc 2	20/SP	T	3	*TE
43. GS-225	Intro Gender Studies	20/SP	T	3	*TE
44. PH-112L	Lab Gen Phys Calc 2	20/SP	T	1	*TE
45. FE-002	200 Lvl Free Elect	20/SP	T	1	*TE

#### Other Courses:

Course	Title	Term	Grade	Registered Credits	Earned Credits	Notes
1. FE-001	100 Lvl Free Elect	20/SP	T	1.00	1.00	*TE
2. FE-001	100 Lvl Free Elect	20/SP	T	1.00	1.00	*TE
3. FE-002	200 Lvl Free Elect	20/SP	T	1.00	1.00	*TE
4. PH-001	100 Lvl Physics Elect	20/SP	T	4.00	4.00	*TE
5. IT-100	Information Technology	20/SP	T	3.00	3.00	*TE
6. GO-101	Prin Human Geography	20/SP	T	3.00	3.00	*TE

(Credits in parentheses are anticipated earned)

#### Notes:

\*IP

In Progress



\*TE

Transfer Equivalency

