Montana State University Bozeman

Student View   AD647Gx9 as of 05/30/2023 at 12:33   **Graduation Audit (Frozen by Registrar's Office)**

Student	Clostio, Jacob C		**Level**	Undergraduate - Semester
Confidential Record			**Degree**	Bachelor of Science
ID	-02595911		**College**	College of Engineering
Classification	Senior		**Major**	Computer Science - Professional
Advisor	Zhu, Binhai		**Minor**	Mathematics
Overall GPA	3.76		**More Info**	Placement Data
Registration Hold			**Academic Standing**	Good Standing
Registration Date	2023 Summer | Mar 27 at 0600 2023 Fall | Mar 27 at 0600		**Student Phone**	(406) 4072217
Graduation Application Status	Computer Science BS - **Awarded**			

✅ **Degree in Bachelor of Science**   Catalog Year: 2019-2020

✅ **120 Credits required**

✅ **42 Upper-Division Credits Required**

Your Upper Division Credits and/or Total Credits requirement may not be satisfied, even with a Green Checkbox. They display assuming successful completion of your in progress coursework. You can uncheck 'Include in-progress classes' and 'Include preregistered classes' for an accurate representation of your current status. Additionally, if you are repeating a course you should contact the Office of the Registrar to verify your total credits.

✅ **You are meeting the minimum MSU degree GPA of 2.0**

✅ **CORE 2.0**

✅ **Major Requirements**

✅ **Minor Requirements**

✅ **CORE 2.0**   Catalog Year: 2019-2020

Check your Major Block for requirements that also fulfill CORE 2.0 requirements

✅ **University Seminar (US)**	**LS 101US**	Interdisciplinary Ways of Know	A-	3	2020 Fall
✅ **College Writing (W)**	**WRIT 101W**	College Writing I	A	3	2019 Fall
✅ **Quantitative Reasoning (Q)**	**M 273Q**	Multivariable Calculus	A	4	2020 Fall
✅ **Diversity (D)**	**ELEC 100D**	History of Americas	TP	4	2019 Spring
	Satisfied by	HISTAMER - Hist Americas-High Level - International Baccalaureate			

✅ **Contemp Issues & Inquiry Nat Sci or Permitted Subs**

Choose either (one CS and one IN) or (any two Permitted Substitutions)

✅ **Permitted Substitutions for (CS) & (IN)**	**BIOB 105CS**	Introduction to Biotechnology	A	3	2020 Fall
	PHSX 220	Physics I (w/ calculus)	B+	4	2020 Spring

✅ **Inquiry to Arts - Non-Music Majors (IA)**

✅ **Inquiry to Arts (IA)**	**CS 145RA**	Web Design	A	3	2019 Fall
✅ **Inquiry to Humanities (IH)**	**LIT 110IH**	Intro to Lit	TP	3	2019 Spring
	Satisfied by	ENGLAL - English A: Lit HL - International Baccalaureate			
✅ **Inquiry to Social Science (IS)**	**ECNS 101IS**	Economic Way of Thinking	B	3	2019 Fall
✅ **Research Core (R, RN, RA, RS, RH)**	**EGEN 310R**	Multidisc Engineering Design	A	3	2022 Spring

---

✅ **Major in Computer Science: Professional**   Catalog Year: 2019-2020

✅ **Calculus I**	**M 171Q**	Calculus I	B	4	2019 Fall
✅ **Joy and Beauty of Data**	**CSCI 127**	Joy and Beauty of Data	A	4	2019 Fall

	Course	Title	Grade	Credits	Term
✅ Calculus II	**M 172Q**	Calculus II	A	4	2020 Spring
✅ Basic Data Structures & Algorithms	**CSCI 132**	Bsc Data Structures/Algorithms	A-	4	2020 Spring
✅ Discrete Structures	**CSCI 246**	Discrete Structures	B	3	2020 Spring
✅ Intermediate Technical Writing	**WRIT 221**	Intermediate Tech Writing	A	3	2020 Fall
✅ Social & Ethical Issues in CS	**CSCI 215CS**	Social & Ethical Issues in CS	A	3	2021 Spring
✅ Programming with C I	**CSCI 112**	Programming with C I	A	3	2021 Spring
✅ Data Structures & Algorithms	**CSCI 232**	Data Structures and Algorithms	A	4	2020 Fall
✅ Software Engineering	**ESOF 322**	Software Engineering	A	3	2021 Spring
✅ Multidisc Engineering Design	**EGEN 310R**	Multidisc Engineering Design	A	3	2022 Spring
✅ Computer Architecture	**CSCI 366**	Computer Systems	A	3	2021 Fall
✅ Concepts of Programming Languages	**CSCI 305**	Concepts/Programming Languages	A	3	2021 Fall
✅ Computer Science Theory	**CSCI 338**	Computer Science Theory	B+	3	2022 Spring
✅ Compilers	**CSCI 468**	Compilers	A	4	2023 Spring
✅ Program Assessment	**CSCI 481**	Program Assessment	P	0	2023 Spring
✅ Math/Stats Elective: 200 Level-above or Engineering Probability	**M 348**	Techniques of Applied Math I	A-	3	2022 Fall
	M 274	Intro to Differential Equation	A	4	2021 Spring

Exception By: Lloyd, Hunter S   **On:**   01/16/2023   **Apply Here : M 274 as a math elective**

	Course	Title	Grade	Credits	Term
	BIOB 105CS	Introduction to Biotechnology	A	3	2020 Fall
✅ 13 Credits of Math and Science Electives	**M 221**	Introduction to Linear Algebra	B	3	2021 Fall
	PHSX 220	Physics I (w/ calculus)	B+	4	2020 Spring
	STAT 332	Stat for Scientists and Engin	A	3	2021 Spring

Exception By: Zhu, Binhai   **On:**   05/25/2023   **Apply Here : M221 should be in Math and Science Electives**

	Course	Title	Grade	Credits	Term
	CSCI 347	Data Mining	A	3	2023 Spring
	CSCI 351	Systems Administration	A	3	2022 Spring
	CSCI 440	Database Systems	A	3	2022 Fall
✅ Computer Science Electives	**CSCI 443**	User Interface Design	A	3	2022 Fall
	CSCI 445	Human Computer Interaction	A	3	2022 Spring
	CSCI 447	Machine Learning	A	3	2022 Fall
	CSCI 466	Networks	A-	3	2021 Fall

Exception By: Lloyd, Hunter S   **On:**   01/16/2023   **Apply Here : Moving 495 to CS electives**

	Course	Title	Grade	Credits	Term
	CS 145RA	Web Design	A	3	2019 Fall
✅ Directed Electives	**M 442**	Num Solution of Diff Equations	B	3	2022 Spring
	M 242	Methods of Proof	B+	3	2023 Spring
	M 386R	Software Appl in Mathematics	A-	3	2023 Spring

This Directed Electives list is meant to be suggestive. Speak with your advisor if there is a course related to computer science that is not on the list and you wish to take it.

Exception By:	Lloyd, Hunter S	On:	01/27/2023	**Also Allow : M242 sharing with Math electives**
Exception By:	Lloyd, Hunter S	On:	10/02/2022	**Apply Here : M442 Should be a directive elective**
Exception By:	Lloyd, Hunter S	On:	01/16/2023	**Also Allow : Software Appl to directive**
Exception By:	Zhu, Binhai	On:	01/24/2023	**Also Allow : M242 should be a directed elective**
Exception By:	Lloyd, Hunter S	On:	01/27/2023	**Apply Here : Adding proof methods here**
Exception By:	Zhu, Binhai	On:	05/25/2023	**Apply Here : M386R should be a directed elective**
Exception By:	Lloyd, Hunter S	On:	05/27/2023	**Apply Here : The first M386 exception didn't work**

✅ Minor in Math
Catalog Year: 2022-2023

✅	Calculus I	M 171Q	Calculus I	B	4	2019 Fall
✅	Calculus II	M 172Q	Calculus II	A	4	2020 Spring
✅	Introduction to Linear Algebra	M 221	Introduction to Linear Algebra	B	3	2021 Fall
✅	Multivariable Calculus	M 273Q	Multivariable Calculus	A	4	2020 Fall
✅	Introduction to Differential Equations	M 274	Intro to Differential Equation	A	4	2021 Spring
✅	Math Electives	M 348	Techniques of Applied Math I	A-	3	2022 Fall
		M 386R	Software Appl in Mathematics	A-	3	2023 Spring
		M 442	Num Solution of Diff Equations	B	3	2022 Spring

Electives

BGEN 204	Busn & Entr Fundamentals		TP	3	2019 Spring
	Satisfied by: BUSMGMT - Bus & Mgmt-Higher Level - International Baccalaureate				
JPNS 101	Elementary Japanese I		A	3	2021 Fall

Exceptions

Type	Description	Date	Who	Block	Enforced
Apply Here	M442 Should be a directive elective	10/02/2022	Lloyd, Hunter S	RA009954	Yes
Apply Here	M 274 as a math elective	01/16/2023	Lloyd, Hunter S	RA009954	Yes
Apply Here	Moving 495 to CS electives	01/16/2023	Lloyd, Hunter S	RA009954	Yes
Also Allow	Software Appl to directive	01/16/2023	Lloyd, Hunter S	RA009954	Yes
Also Allow	M242 should be a directed elective	01/24/2023	Zhu, Binhai	RA009954	Yes
Also Allow	M242 sharing with Math electives	01/27/2023	Lloyd, Hunter S	RA009954	Yes
Apply Here	Adding proof methods here	01/27/2023	Lloyd, Hunter S	RA009954	Yes
Apply Here	M386R should be a directed elective	05/25/2023	Zhu, Binhai	RA009954	Yes
Apply Here	M221 should be in Math and Science Electives	05/25/2023	Zhu, Binhai	RA009954	Yes
Apply Here	The first M386 exception didn't work	05/27/2023	Lloyd, Hunter S	RA009954	Yes

Notes

	Entered by	Date
Graduation Audit found a discrepancy: Missing Major Block Requirement(s)	Jordan, Veronica	05/24/2023
Graduation REGISTRATION Audit found no discrepancies with your application for Primary Degree	Jordan, Veronica	02/02/2023
Graduation REGISTRATION Audit RESOLVED a discrepancy: Missing Major Block Requirement	Jordan, Veronica	01/23/2023
Graduation REGISTRATION Audit found no discrepancies with your application for Minor	Jordan, Veronica	01/23/2023
Final Semester Primary Degree Certified	Lloyd, Hunter S	01/16/2023
Final Semester UG Approved for Graduation Application by Certifying Officer	Lloyd, Hunter S	10/02/2022
Final semester plan needs to be augmented for the student to finish in Spring 2023, besides 468 and 481, Jacob needs 10 CS credits (basically 3 full courses, plus a 1-credit seminar).	Zhu, Binhai	10/02/2022
Final Semester UG MINOR Approved for Graduation Application by Certifying Officer	Zhang, Tianyu	09/28/2022
Final Semester Minor Advisor Approves of DegreeWorks worksheet	Zhang, Tianyu	09/28/2022
Final Semester Primary Degree Advisor Approves of DegreeWorks worksheet	Zhu, Binhai	09/21/2022
Fall 2022 PIN: 240158.	Zhu, Binhai	03/25/2022
Spring 2022 PIN: 236271	Zhu, Binhai	10/25/2021
Advising Fall 2021-REG-Student received PIN and plans to register... 2021 Summer	229242	Apr 07 at 0600 2021 Fall	229242	Apr 07 at 0600	Peters, Travis W	03/30/2021
Advising Spring 2021-REG-Student received PIN and plans to register... 2021 Spring	226227	Nov 05 at 0600 - taking linear algebra over snowmester	Peters, Travis W	11/02/2020
Course Scheduling - Fall advising. PIN: 220656.	Gunderson-Izurieta, Sharlyn E	03/11/2020
Course Scheduling - Spring advising. PIN: 217013.	Gunderson-Izurieta, Sharlyn E	10/21/2019
Course Scheduling - Fall advising. PIN:216236. Interested in a business administration minor. Recommended meeting with advisor in Jake Jabs College of Business.	Gunderson-Izurieta, Sharlyn E	06/25/2019

Legend

✅ Complete	≈ Complete except for classes in-progress	**(T)** Transfer Class
☐ Not Complete	≈ Nearly complete - see advisor	**@** Any course number

Disclaimer

DegreeWorks is for educational and planning purposes only. It is the student's responsibility to work with an academic advisor to review degree progress and verify the accuracy of this report. An official review of your degree will be completed by the Registrar's Office after you have applied to graduate. This degree checklist is not your official transcript. On the Plan audit, when courses are in-progress, the requirement bar will always show 98% instead of 100% because the requirements are not yet fulfilled.