Lewis & Clark College
Academic Evaluation
Report Date: 10/07/19

Student: Arden C. Rasmussen (2366376)

Program:	Bachelor of Arts in Computer Science & Mathematics (BA.CSMT)
Catalog:	2016
Anticipated Completion Date:	05/09/20
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Class: SR LC Box: 1458 Email: ardenras
Majors: Comp Sci/MathematicsPhysics
Minors:

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THIS REPORT IS INTENDED TO BE AN ACCURATE REFLECTION OF YOUR
PROGRESS TOWARD YOUR DEGREE. YOUR MAJOR/MINOR DEPARTMENT CHAIR
MUST INFORM THE REGISTRAR OF ANY SUBSTITUTIONS FOR
THAT PROGRAM, INCLUDING ANY TRANSFER CREDIT THAT MAY APPLY.
PLEASE REPORT ANY OTHER DISCREPANCIES TO THE REGISTRAR'S OFFICE
(reg@lclark.edu).

CAUTION * CAUTION * CAUTION * CAUTION * CAUTION

Credits shown below may reflect the following types of credits
that cannot be counted toward your degree: 1) Credits beyond the
60 semester hour maximum in any one academic department,
2) Credits for repeated courses, 3) Credits for PE/A 101, 102,
141 or 142 beyond the maximum of 4 semester hours.

This evaluation does not consider the minimum number of credits
required for majors or minors.
Also, this evaluation does not consider the overlap between double
majors or minors. Remember that each major must have 28 discrete
credits and each minor must have 12 discrete credits.

Program Summary: (In Progress)

	Required	Current Earned	Current Remaining	Anticipated Additional	Anticipated Remaining
Institutional Credits:	60.00	109.00	0.00	19.00	0.00
Institutional GPA:	2.000	3.635	Met		
Overall Credits:	128.00	125.00	3.00	19.00	0.00
Overall GPA:	2.000	3.635	Met		

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

Program Requirements:

1: Foreign Language Proficiency (Complete)

	Course	Title	Needed	Term	Grade	Credits	Notes
1.	SPAN-201	Intermediate Spanish I		16/FA	C	4	

2: General Education (Exploration and Discovery) (Complete)

Credits Earned: 8　　　　　　　　　Complete both subrequirements:

A: CORE 106 (Complete)

CORE 106 (OR APPROVED ALTERNATE FOR TRANSFER STUDENTS)

	Course	Title	Needed	Term	Grade	Credits	Notes
1.	CORE-106	Exploration and Discovery I		16/FA	B+	4	

B: CORE 107 (Complete)

CORE 107 (OR APPROVED ALTERNATE FOR TRANSFER STUDENTS)

	Course	Title	Needed	Term	Grade	Credits	Notes
1.	CORE-107	Exploration and Discovery II		17/SP	B+	4	

3: General Education (IS, S&QR, PE/A) (In progress)

Credits Earned: 22   Complete all 3 subrequirements:

A: INTERNATIONAL STDYS (Pending completion of unfinished activity)
COMPLETE 2 COURSES FROM LIST IN CATALOG, OR AN APPROVED FALL OR SPRING LC OVERSEAS PROGRAM. MUST EARN A MINIMUM OF 12 CREDITS ON T HE FALL/SPRING PROGRAM

Credits Earned: 8

2 COURSES FROM LIST IN CATALOG (Pending completion of unfinished activity)
Credits Earned: 8

	Course	Title	Needed	Term	Grade	Credits	Notes
1.	RUSS-290	Topic: Soviet Sci Fi		19/FA		4	*IP
2.	RELS-243	Buddhism: Theory/Culture/Pract		19/FA		4	*IP

B: 12 CREDS SCIENTIFIC (Complete)
AND QUANTITATIVE REASONING

Credits Earned: 13

CATEGORY A: LABORATORY (Complete)

	Course	Title	Needed	Term	Grade	Credits	Notes
1.	PHYS-151	Physics I: Motion		16/FA	A	5	

CATEGORY B: MATHEMATICAL REASONING (Complete)

	Course	Title	Needed	Term	Grade	Credits	Notes
1.	MATH-233	Calculus III		16/FA	B	4	

Related/Not Applied:

CATEGORY C: QUANTITATIVE REASONING (Complete)

	Course	Title	Needed	Term	Grade	Credits	Notes
1.	CS-465	Theory of Computation		17/SP	A	4	

Related/Not Applied:

C: 2 PHYSICAL EDUCATION (In progress)
ACTIVITY COURSES

	Course	Title	Needed	Term	Grade	Credits	Notes
1.	PE/A-101	Yoga		19/FA		1	*IP
2.			1 course needed				

4: Creative Arts (Complete)

	Course	Title	Needed	Term	Grade	Credits	Notes
1.	ART-208	Ancient Art		19/SP	B	4	

5: Computer Science & Mathematics Major (40 Credits) (Pending completion of unfinished activity)

Credits Earned: 40   GPA Achieved/Needed: 3.711 / 2.000   Complete all 4 subrequirements:

A: REQUIRED COURSES (Pending completion of unfinished activity)
IN MATH AND COMPUTER SCIENCE

Credits Earned: 24

TAKE CS-171,172,383,MATH-215, & 225 (Pending completion of unfinished activity)
!! Exception Allow substitution CS-369, CS-367, CS-499 per P.Drake
Credits Earned: 20

	Course	Title	Needed	Term	Grade	Credits	Notes
1.	MATH-225	Linear Algebra		17/SP	A-	4	
2.	CS-367	Computer Graphics		17/FA	A	4	
3.	MATH-215	Discrete Mathematics		17/FA	A-	4	
4.	CS-369	AI and Machine Learning		18/SP	A	4	
5.	CS-499	InStdy: Path Tracing		19/FA		4	*IP

Related/Not Applied:

TAKE CS-277 OR CS-393 (Complete)

	Course	Title	Needed	Term	Grade	Credits	Notes
1.	CS-277	Computer Archit/Assembly Lang		19/SP	A	4	

B: MATHEMATICS (Complete)
4 CREDITS AT THE 200 LEVEL OR HIGHER MATH-490 MAY APPLY WITH APPROVAL

	Course	Title	Needed	Term	Grade	Credits	Notes
1.	MATH-233	Calculus III		16/FA	B	4	

C: MATHEMATICS (Complete)
4 CREDITS AT THE 300 LEVEL OR HIGHER MATH-490 MAY APPLY WITH APPROVAL

	Course	Title	Needed	Term	Grade	Credits	Notes
1.	MATH-365	Complex Variables		18/SP	B	4	

D: COMPUTER SCIENCE (Complete)
8 CREDITS AT THE 200 LEVEL OR HIGHER CS-495 MAY APPLY WITH APPROVAL CS-230 DOES NOT APPLY TO THIS MAJOR

Credits Earned: 8

	Course	Title	Needed	Term	Grade	Credits	Notes
1.	CS-465	Theory of Computation		17/SP	A	4	
2.	CS-467	Advanced Computer Graphics		18/SP	A	4	

Related/Not Applied:

6: 60 Credit Rule for Math (Pending completion of unfinished activity)

OF DEPARTMENT REQUIRED
Credits Earned: 69

	Course	Title	Needed	Term	Grade	Credits	Notes
1.	AP-PHY1	AP Physics 1		07/04/16		4	*F *NE
2.	IB-ENGLIT	IB English: Literature		05/01/16		4	*F *NE
3.	SPAN-201	Intermediate Spanish I		16/FA	C	4	
4.	PHYS-151	Physics I: Motion		16/FA	A	5	
5.	CORE-106	Exploration and Discovery I		16/FA	B+	4	
6.	PHYS-152	Physics II: Waves and Matter		17/SP	A	5	
7.	CORE-107	Exploration and		17/SP	B+	4	

	Course	Title	Term	Grade	Credits	Notes
		Discovery II				
8.	PHYS-251	Physics III Electromagnetism	17/FA	A	4	
9.	PHYS-252	Phys IV:Thermo/Stats Mechanics	18/SP	A-	4	
10.	PHYS-380	Topics: Computational Physics	18/FA	A	4	
11.	PHYS-331	Adv Electricity/Magnetism I	18/FA	A-	4	
12.	PHYS-321	Quantum Physics I	18/FA	A	4	
13.	PHYS-451	Theoretical Dynamics I	19/SP	A-	4	
14.	ART-208	Ancient Art	19/SP	B	4	
15.	PHYS-300	Advanced Lab/Colloquium	19/FA		2	*IP
16.	RUSS-290	Topic: Soviet Sci Fi	19/FA		4	*IP
17.	PE/A-101	Yoga	19/FA		1	*IP
18.	RELS-243	Buddhism: Theory/Culture/Pract	19/FA		4	*IP

7: Maximum of 4 PE Activity Credits apply to degree (Complete)

COMPLETE 124 NON-PE ACTIVITY CREDITS (PE/A Activity credits include PE/A-101,102,141,142)
Credits Earned: 125

	Course	Title	Needed	Term	Grade	Credits	Notes
1.	SPAN-201	Intermediate Spanish I		16/FA	C	4	
2.	PHYS-151	Physics I: Motion		16/FA	A	5	
3.	MATH-233	Calculus III		16/FA	B	4	
4.	CORE-106	Exploration and Discovery I		16/FA	B+	4	
5.	CS-465	Theory of Computation		17/SP	A	4	
6.	PHYS-152	Physics II: Waves and Matter		17/SP	A	5	
7.	MATH-225	Linear Algebra		17/SP	A-	4	
8.	CORE-107	Exploration and Discovery II		17/SP	B+	4	
9.	CS-367	Computer Graphics		17/FA	A	4	
10.	PHYS-251	Physics III Electromagnetism		17/FA	A	4	
11.	MATH-235	Differential Equations		17/FA	A	4	
12.	MATH-215	Discrete Mathematics		17/FA	A-	4	
13.	CS-369	AI and Machine Learning		18/SP	A	4	
14.	PHYS-252	Phys IV:Thermo/Stats Mechanics		18/SP	A-	4	
15.	MATH-365	Complex Variables		18/SP	B	4	
16.	MATH-305	Calc. IV Appl. Phys. Sci.		18/SP	A	4	
17.	CS-467	Advanced Computer Graphics		18/SP	A	4	
18.	MATH-499	InStdy: Finite Element Method		18/FA	CR	3	
19.	PHYS-380	Topics: Computational Physics		18/FA	A	4	
20.	PHYS-331	Adv Electricity/Magnetism I		18/FA	A-	4	
21.	PHYS-321	Quantum Physics I		18/FA	A	4	
22.	MATH-341	Real Analysis		18/FA	B+	4	
23.	CS-499	InStdy: Math Machine Learning		19/SP	CR	2	
24.	CS-499	InStdy: Finite Element		19/SP	CR	2	
25.	CS-277	Computer Archit/Assembly Lang		19/SP	A	4	

	Course	Title		Term	Grade	Credits	Notes
26.	MATH-442	Adv. Top. Analysis & Topology		19/SP	B+	4	
27.	PHYS-451	Theoretical Dynamics I		19/SP	A-	4	
28.	ART-208	Ancient Art		19/SP	B	4	
29.	IB-ENGLIT	IB English: Literature		05/01/16		4	*NE
30.	AP-CAL1	AP Math 131		07/04/16		4	*NE
31.	AP-CAL2	AP Math 132		07/04/16		4	*NE
32.	AP-PHY1	AP Physics 1		07/04/16		4	*NE

8: Physics Major 58 Credits (In progress)

Credits Earned: 52   GPA Achieved/Needed: 3.819 / 2.000   Complete both subrequirements:

A: REQUIRED PHYSICS (In progress)
COURSES.

Credits Earned: 32

PHYS- 151,152, 251, 252, 201, 300, 321, 331 & 451 (In progress)
Credits Earned: 32

	Course	Title	Needed	Term	Grade	Credits	Notes
1.	PHYS-151	Physics I: Motion		16/FA	A	5	
2.	PHYS-152	Physics II: Waves and Matter		17/SP	A	5	
3.	PHYS-251	Physics III Electromagnetism		17/FA	A	4	
4.	PHYS-252	Phys IV:Thermo/Stats Mechanics		18/SP	A-	4	
5.	PHYS-201	Experimental Methods Phys Sci	1 course needed				
6.	PHYS-300	Advanced Lab/Colloquium		19/FA		2	*IP
7.	PHYS-321	Quantum Physics I		18/FA	A	4	
8.	PHYS-331	Adv Electricity/Magnetism I		18/FA	A-	4	
9.	PHYS-451	Theoretical Dynamics I		19/SP	A-	4	

2 CREDITS FROM PHYS-400,490, OR 491 (Not started)

1.		2 credits needed	

B: REQUIRED MATHEMATICS (Complete)
COURSES

Credits Earned: 20

MATH-131 (Complete)

	Course	Title	Needed	Term	Grade	Credits	Notes
1.	AP-CAL1	AP Math 131		07/04/16		4	*NE

MATH-132 (Complete)

1.	AP-CAL2	AP Math 132		07/04/16		4	*NE

MATH-233,235, AND 305 (Complete)
Credits Earned: 12

	Course	Title		Term	Grade	Credits	Notes
1.	MATH-233	Calculus III		16/FA	B	4	
2.	MATH-235	Differential Equations		17/FA	A	4	
3.	MATH-305	Calc. IV Appl. Phys. Sci.		18/SP	A	4	

Other Courses:

	Course	Title	Term	Grade	Registered Credits	Earned Credits	Notes
1.	AP-CAL1	AP Math 131	07/04/16		4.00	0.00	*NE
2.	SPAN-102	Beginning Spanish II	08/01/16		0.00	0.00	*NE
3.	MATH-421	Abstract Algebra I	19/FA		4.00	(4.00)	*IP

(Credits in parentheses are anticipated earned)

In order to apply for your degree when you are a SENIOR (deadlines: October 15 for a May degree, March 1 for an August degree, and May 1 for a December degree), please submit a paper copy of this signed and dated form to the CAS Registrar's Office. The Chairs/Directors for the majors must sign to indicate that the courses listed are acceptable for the majors. Only one form should be used and signed by all appropriate parties.

Graduation Month (May/Aug/Dec) & Year _____

_____ _____
date Comp Sci/Mathematics (Major 1 Chair/Director Signature)

_____ _____
date Physics (Major 2 Chair/Director Signature)

_____ _____
date Student Signature / Arden Rasmussen

Note: When submitted as your degree application, this is an official document.

CAS Registrar Only:

Senior Residency:_____ Major Residency:_____

Major Credits: _____ Minor Credits: _____

Double Major/Minor Minimum: _____

Completed online Application for Graduation? Yes / No Reno, CA

Notes:

*F	Forced - course was manually applied (Override)
*IP	In Progress
*NE	Non-course Equivalency
*U	Used! - has already been used elsewhere