

UNOFFICIAL ACADEMIC TRANSCRIPT

Name: Roland Sanford  
University ID: 484001583

Student Address: 2930 Gaines Basin Road  
Albion, NY 14411

Print Date: 2017-10-25

Beginning of Undergraduate Record

2013-14 Fall

Program: UGRD Science  
Plan: Bachelor of Science in Physics

Test Credits				
Test Credits Applied Toward UGRD Science				
Advanced Placement	Biology	2013-01-01	4.00	
Transferred to Term 2013 Fall as				
BIOL	102	General Biology II	3.000	X
BIOL	101	General Biology I	3.000	X
BIOL	103	General Biology I Lab	1.000	X
BIOL	104	General Biology II Lab	1.000	X
Advanced Placement	Mathematics:	2013-01-01	4.00	
Calculus BC				
Transferred to Term 2013 Fall as				
MATH	181	Project-Based Calculus I	4.000	X
MATH	182	Project-Based Calculus II	4.000	X
Advanced Placement	Music: Theory	2013-01-01	3.00	
Transferred to Term 2013 Fall as				
FNRT	205	Intro to Music Theory	3.000	X
Advanced Placement	Statistics	2013-01-01	4.00	
Transferred to Term 2013 Fall as				
STAT	145	Introduction to Statistics I	3.000	X
Advanced Placement	Physics B	2011-01-01	2.00	
Transferred to Term 2013 Fall as				
Advanced Placement	Calc AB	2013-01-01	5.00	
Subscore				
Transferred to Term 2013 Fall as				
Advanced Placement	Music Aural	2013-01-01	4.00	
Subscore				
Transferred to Term 2013 Fall as				
Advanced Placement	Music Non-aural	2013-01-01	2.00	
Subscore				
Transferred to Term 2013 Fall as				

Course	Description	Attempted	Earned	Grade	Points
ACSC 10	YearOne	0.000	0.000	S	0.000
CHMG 141	Gen & Analytical Chemistry I	3.000	3.000	A	12.000
CHMG 145	Gen & Analy Chem Lab I	1.000	1.000	A	4.000
FNRT 254	RIT Jazz Ensemble	1.000	0.000	A	0.000
Topic: RIT Jazz Ensemble:Lab Ensemble					
Repeated - Excluded from Statistics					
MATH 219	Multivariable Calculus	3.000	3.000	B	9.000
PHYS 150	Intro Special Relativity	3.000	3.000	B	9.000
PHYS 216	University Physics I: Phys Maj	4.000	4.000	B	12.000
UWRT 150	FYW: Writing Seminar	3.000	3.000	A	12.000
		Attempted	Earned	GPA Units	Points
Term GPA		3.410	Term	18.000	17.000
			Transfer/Test	22.000	22.000
			Combined	40.000	39.000
				17.000	58.000
		Attempted	Earned	GPA Units	Points
Cum GPA		3.410	Cumulative	18.000	17.000
			Transfer/Test	22.000	22.000
			Combined	40.000	39.000
				17.000	58.000

## UNOFFICIAL ACADEMIC TRANSCRIPT

Name: Roland Sanford  
University ID: 484001583

Term Honor: Dean's List

Academic Standing Effective 2014-01-05: Good Standing

## 2013-14 Spring

Program: UGRD Science  
Plan: Bachelor of Science in Physics  
Plan: Secondary Major in Computational Mathematics

Course	Description	Attempted	Earned	Grade	Points
CSCI 141	Computer Science I	4.000	4.000	A	16.000
FNRT 254	RIT Jazz Ensemble	1.000	1.000	A	4.000
	Topic: RIT Jazz Ensemble:Lab Ensemble				
	Repeated - Included in Statistics				
MATH 231	Differential Equations	3.000	3.000	A	12.000
MATH 251	Probability and Statistics I	3.000	3.000	A	12.000
PHIL 101	Introduction to Philosophy	3.000	3.000	A	12.000
PHYS 217	University Physics II Phys Maj	4.000	4.000	A	16.000
WREC 72	Ski/Snowboard/Lift Ticket Only	0.000	0.000	S	0.000

Term GPA	4.000	Term	Attempted	Earned	GPA Units	Points
			18.000	18.000	18.000	72.000

Cum GPA	3.710	Cumulative	Attempted	Earned	GPA Units	Points
			36.000	35.000	35.000	130.000
		Transfer/Test	22.000	22.000	0.000	0.000
		Combined	58.000	57.000	35.000	130.000

Term Honor: Dean's List

Academic Standing Effective 2014-05-28: Good Standing

## 2014-15 Fall

Program: UGRD Science  
Plan: Bachelor of Science in Physics  
Plan: Secondary Major in Computational Mathematics

Course	Description	Attempted	Earned	Grade	Points
CSCI 142	Computer Science II	4.000	4.000	A	16.000
MATH 200	Discrete Math & Int to Proofs	3.000	3.000	B+	9.999
MATH 326	Boundary Value Problems	3.000	3.000	A	12.000
PHYS 213	Modern Physics I	3.000	3.000	A	12.000
PHYS 275	Sophomore Physics Seminar	1.000	1.000	A-	3.667
PHYS 295	Physics Research	1.000	1.000	A	4.000
PHYS 320	Math Methods in Physics	3.000	3.000	C+	6.999

Term GPA	3.590	Term	Attempted	Earned	GPA Units	Points
			18.000	18.000	18.000	64.665

Cum GPA	3.670	Cumulative	Attempted	Earned	GPA Units	Points
			54.000	53.000	53.000	194.665
		Transfer/Test	22.000	22.000	0.000	0.000
		Combined	76.000	75.000	53.000	194.665

Term Honor: Dean's List

Academic Standing Effective 2015-01-05: Good Standing

## 2014-15 Spring

Program: UGRD Science  
Plan: Bachelor of Science in Physics  
Plan: Secondary Major in Computational Mathematics

Course	Description	Attempted	Earned	Grade	Points
CSCI 243	The Mechanics of Programming	3.000	3.000	A	12.000
CSCI 262	Intro to Comp Science Theory	3.000	3.000	A	12.000
MATH 241	Linear Algebra	3.000	3.000	A	12.000
PHYS 222	Electronic Measurements	3.000	3.000	B+	9.999
PHYS 283	Vibrations and Waves	3.000	3.000	A-	11.001
SWEN 261	Intro to Software Engineering	3.000	3.000	B	9.000

Term GPA	3.670	Term	Attempted	Earned	GPA Units	Points
			18.000	18.000	18.000	66.000

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			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Cum GPA	3.670	Cumulative	72.000	71.000	71.000	260.665
		Transfer/Test	22.000	22.000	0.000	0.000
		Combined	94.000	93.000	71.000	260.665

Term Honor: Dean's List

Academic Standing Effective 2015-01-05: Good Standing

2014-15 Summer

Program: UGRD Science  
Plan: Bachelor of Science in Physics  
Plan: Secondary Major in Computational Mathematics

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
CSCI	251	Conc of Par & Dist Systems	3.000	3.000	B+	9.999

			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	3.330	Term	3.000	3.000	3.000	9.999

			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Cum GPA	3.660	Cumulative	75.000	74.000	74.000	270.664
		Transfer/Test	22.000	22.000	0.000	0.000
		Combined	97.000	96.000	74.000	270.664

Academic Standing Effective 2015-08-20: Good Standing

2015-16 Fall

Program: UGRD Science  
Plan: Secondary Major in Physics  
Plan: Bachelor of Science in Computational Mathematics  
Subplan: Combined BS Degree in Computational Mathematics and MS Degree in Applied Computational Mathematics

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
MATH	431	Real Variables I	3.000	3.000	B+	9.999
MATH	606	Graduate Seminar I	1.000	1.000	A	4.000
MATH	611	Numerical Analysis	3.000	3.000	B+	9.999
PHYS	214	Modern Physics II	3.000	3.000	C-	5.001
PHYS	315	Experiments in Modern Physics	3.000	3.000	C	6.000
PHYS	330	Classical Mechanics	4.000	4.000	B-	10.668

			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	2.690	Term	17.000	17.000	17.000	45.667

			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Cum GPA	3.480	Cumulative	92.000	91.000	91.000	316.331
		Transfer/Test	22.000	22.000	0.000	0.000
		Combined	114.000	113.000	91.000	316.331

Academic Standing Effective 2016-01-04: Good Standing

2015-16 Spring

Program: UGRD Science  
Plan: Secondary Major in Physics  
Plan: Bachelor of Science in Computational Mathematics  
Subplan: Combined BS Degree in Computational Mathematics and MS Degree in Applied Computational Mathematics

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
MATH	341	Advanced Linear Algebra	3.000	3.000	B	9.000
MATH	605	Stochastic Processes	3.000	3.000	B+	9.999
MATH	607	Graduate Seminar II	1.000	1.000	A	4.000
MATH	761	Mathematical Biology	3.000	3.000	A	12.000
PHYS	316	Advanced Laboratory in Physics	3.000	3.000	C-	5.001
PHYS	411	Electricity and Magnetism	4.000	4.000	B	12.000
PHYS	450	Capstone Preparation	1.000	1.000	A	4.000

			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	3.110	Term	18.000	18.000	18.000	56.000

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			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Cum GPA	3.420	Cumulative	110.000	109.000	109.000	372.331
		Transfer/Test	22.000	22.000	0.000	0.000
		Combined	132.000	131.000	109.000	372.331

Academic Standing Effective 2016-05-26: Good Standing

2016-17 Fall

Program: UGRD Science  
Plan: Secondary Major in Physics  
Plan: Bachelor of Science in Computational Mathematics  
Subplan: Combined BS Degree in Computational Mathematics and MS Degree in Applied Computational Mathematics

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
MATH	421	Mathematical Modeling	3.000	3.000	A	12.000
PHYS	412	Adv Electricity & Magnetism	3.000	3.000	B+	9.999
PHYS	414	Quantum Mechanics	3.000	3.000	B	9.000
PHYS	451	Capstone Project I	3.000	3.000	B+	9.999

			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	3.420	Term	12.000	12.000	12.000	40.998

			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Cum GPA	3.420	Cumulative	122.000	121.000	121.000	413.329
		Transfer/Test	22.000	22.000	0.000	0.000
		Combined	144.000	143.000	121.000	413.329

Term Honor: Dean's List

Academic Standing Effective 2017-01-03: Good Standing

2016-17 Spring

Program: UGRD Science  
Plan: Secondary Major in Physics  
Plan: Bachelor of Science in Computational Mathematics  
Subplan: Combined BS Degree in Computational Mathematics and MS Degree in Applied Computational Mathematics

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
CSCI	620	Introduction to Big Data	3.000	3.000	B-	8.001
MATH	412	Numerical Linear Algebra	3.000	3.000	C-	5.001
MATH	601	Methods of Applied Mathematics	3.000	3.000	A	12.000
PHYS	377	Advanced Computational Physics	3.000	3.000	A-	11.001
PHYS	415	Advanced Quantum Mechanics	3.000	0.000	W	0.000
PHYS	452	Capstone Project II	3.000	3.000	A	12.000

			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	3.200	Term	18.000	15.000	15.000	48.003

			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Cum GPA	3.390	Cumulative	140.000	136.000	136.000	461.332
		Transfer/Test	22.000	22.000	0.000	0.000
		Combined	162.000	158.000	136.000	461.332

Academic Standing Effective 2017-05-25: Good Standing

2016-17 Summer

Program: UGRD Science  
Plan: Secondary Major in Physics  
Plan: Bachelor of Science in Computational Mathematics  
Subplan: Combined BS Degree in Computational Mathematics and MS Degree in Applied Computational Mathematics

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
MATH	499	Mathematics Co-op	0.000	0.000		0.000

			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	0.000	Term	0.000	0.000	0.000	0.000

			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Cum GPA	3.390	Cumulative	140.000	136.000	136.000	461.332
		Transfer/Test	22.000	22.000	0.000	0.000
		Combined	162.000	158.000	136.000	461.332

UNOFFICIAL ACADEMIC TRANSCRIPT

Name: Roland Sanford  
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2017-18 Fall

Program: UGRD Science  
Plan: Secondary Major in Physics  
Plan: Bachelor of Science in Computational Mathematics  
Subplan: Combined BS Degree in Computational Mathematics and MS  
Degree in Applied Computational Mathematics

<u>Course</u>	<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
MATH 499	Mathematics Co-op	0.000	0.000		0.000

	<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA 0.000 Term	0.000	0.000	0.000	0.000

	<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Cum GPA 3.390 Cumulative	140.000	136.000	136.000	461.332
Transfer/Test	22.000	22.000	0.000	0.000
Combined	162.000	158.000	136.000	461.332

Undergraduate Career Totals

	Cumulative	140.000	136.000	136.000	461.332
	Transfer/Test	22.000	22.000	0.000	0.000
Cumulative GPA 3.390	Combined	162.000	158.000	136.000	461.332

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Name: Roland Sanford  
University ID: 484001583

Student Address: 2930 Gaines Basin Road  
Albion, NY 14411

Print Date: 2017-10-25

Beginning of Graduate Record

2016-17 Fall

Program: GRAD Science  
Plan: Master of Science in Applied and Computational Mathematics  
Subplan: Combined BS Degree in Computational Mathematics and MS  
Degree in Applied Computational Mathematics

Course	Description	Attempted	Earned	Grade	Points
MATH 645	Graph Theory	3.000	3.000	A	12.000
MATH 712	Num Methods Partial Diff Eq	3.000	3.000	A	12.000

Term GPA	4.000	Term	Attempted	Earned	GPA Units	Points
			6.000	6.000	6.000	24.000

Cum GPA	4.000	Cumulative	Attempted	Earned	GPA Units	Points
			6.000	6.000	6.000	24.000
		Transfer/Test	0.000	0.000	0.000	0.000
		Combined	6.000	6.000	6.000	24.000

Academic Standing Effective 2017-01-03: Good Standing

Graduate Career Totals

		Cumulative	6.000	6.000	6.000	24.000
		Transfer/Test	0.000	0.000	0.000	0.000
Cumulative GPA	4.000	Combined	6.000	6.000	6.000	24.000