



# California Institute of Technology

Pasadena, California

Office of the Registrar

Print Date: August 27, 2014 8:15 AM

## Official Undergraduate Record

Name: Saund, Bradley Larkin  
UID: 1774552  
Day of Birth: December 13

Matriculation Date: September 29, 2008  
Previous Institution(s): Carlmont High School 2008

Option Adviser: McKeon, Beverly Jane  
Freshman Adviser: Meiron, Daniel I

### Degrees Awarded:

June 15, 2012 BS in Mechanical Engineering  
Graduation with Honor

### Academic Record:

#### FA 2008-09

Course	Description	Att	Earned	Grade	Credits
CS 001	Introduction to Computation	9	9	P	0
Ch 001A	General Chemistry	6	6	P	0
Ch 010A	Frontiers in Chemistry	3	3	P	0
Hum/PI 008	Right and Wrong	9	9	P	0
Ma 001A	Calculus of One and Several Variables and Linear Algebra	9	9	P	0
PE 023A	Track and Field, Beginning/Intermediate/Advanced	3	3	P	0
Ph 001A	Classical Mechanics and Electromagnetism	9	9	P	0
Term Units Att: 48	Earned: 48	Att toward GPA: 0	Credits: 0	Term GPA: 0.0	
Cum Units Att: 48	Earned: 48	Att toward GPA: 0	Credits: 0	Cum GPA: 0.0	

#### WI 2008-09

Course	Description	Att	Earned	Grade	Credits
Ch 001B	General Chemistry	9	9	P	0
Ch 003A	Fundamental Techniques of Experimental Chemistry	6	6	P	0
Ch 010B	Frontiers in Chemistry	3	3	P	0
Hum/H 003C	European Civilization: Modern Europe	9	9	P	0
Ma 001B	Calculus of One and Several Variables and Linear Algebra	9	9	P	0
Ph 001B	Classical Mechanics and Electromagnetism	9	9	P	0
Term Units Att: 45	Earned: 45	Att toward GPA: 0	Credits: 0	Term GPA: 0.0	
Cum Units Att: 93	Earned: 93	Att toward GPA: 0	Credits: 0	Cum GPA: 0.0	

#### SP 2008-09

Course	Description	Att	Earned	Grade	Credits
Bi 001	The Biology and Biophysics of Viruses	9	9	P	0
Ch/APh 002	Introduction to Energy Sciences	9	9	A-	33
HPS/PI 136	Ethics in Research	9	9	A-	33
Ma 001C	Calculus of One and Several Variables and Linear Algebra	9	9	B+	30
Ph 001C	Classical Mechanics and Electromagnetism	9	9	A	36

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Course	Description	Att	Earned	Grade	Credits
Ph 003	Physics Laboratory	6	6	P	0
Term Units Att: 51	Earned: 51	Att toward GPA: 36	Credits: 132	Term GPA: 3.7	
Cum Units Att: 144	Earned: 144	Att toward GPA: 36	Credits: 132	Cum GPA: 3.7	

#### FA 2009-10

Course	Description	Att	Earned	Grade	Credits
ACM095A	Introductory Methods of Applied Mathematics	12	12	A	48
ME 035A	Statics and Dynamics	9	9	A-	33
Ma 002A	Differential Equations, Probability, and Statistics	9	9	A-	33
PS 012	Introduction to Political Science	9	9	B	27
Ph 012A	Waves, Quantum Physics, and Statistical Mechanics	9	9	A-	33
Term Units Att: 48	Earned: 48	Att toward GPA: 48	Credits: 174	Term GPA: 3.6	
Cum Units Att: 192	Earned: 192	Att toward GPA: 84	Credits: 306	Cum GPA: 3.6	

#### WI 2009-10

Course	Description	Att	Earned	Grade	Credits
ACM095B	Introductory Methods of Applied Mathematics	12	12	A-	44
ME 018A	Thermodynamics	9	9	A-	33
ME 035B	Statics and Dynamics	9	9	B+	30
Ma 002B	Differential Equations, Probability and Statistics	9	9	B	27
PS/SS 139	Comparative Politics	9	9	A	36
Ph 012B	Waves, Quantum Physics, and Statistical Mechanics	9	9	A	36
Term Units Att: 57	Earned: 57	Att toward GPA: 57	Credits: 206	Term GPA: 3.6	
Cum Units Att: 249	Earned: 249	Att toward GPA: 141	Credits: 512	Cum GPA: 3.6	

#### SP 2009-10

Course	Description	Att	Earned	Grade	Credits
ACM095C	Introductory Methods of Applied Mathematics	12	12	A-	44
ME 018B	Thermodynamics	9	9	A-	33
ME 035C	Statics and Dynamics	9	9	A	36
ME 071	Introduction to Engineering Design	9	9	A	36
Term Units Att: 39	Earned: 39	Att toward GPA: 39	Credits: 149	Term GPA: 3.8	
Cum Units Att: 288	Earned: 288	Att toward GPA: 180	Credits: 661	Cum GPA: 3.7	

Mary Kearney Morley  
Mary Kearney Morley, Registrar



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### SU 2009-10

Course	Description	Att	Earned	Grade	Credits
E 011	Written Technical Communication in Engineering and Applied Science	3	3	A	12
Term Units Att: 3	Earned: 3	All toward GPA: 3	Credits: 12	Term GPA: 4.0	
Cum Units Att: 291	Earned: 291	All toward GPA: 183	Credits: 673	Cum GPA: 3.7	

### FA 2010-11

Course	Description	Att	Earned	Grade	Credits
ME 019A	Fluid Mechanics	9	9	A-	33
ME 066	Vibration	9	9	A+	39
ME 072A	Engineering Design Laboratory	9	9	A	36
PE 082A	Rock Climbing, Beginning and Intermediate	3	3	P	0
Ph 101	Order-of-Magnitude Physics	9	9	A	36
Term Units Att: 39	Earned: 39	All toward GPA: 36	Credits: 144	Term GPA: 4.0	
Cum Units Att: 330	Earned: 330	All toward GPA: 219	Credits: 817	Cum GPA: 3.7	

### WI 2010-11

Course	Description	Att	Earned	Grade	Credits
ME 019B	Fluid Mechanics	9	9	A	36
ME 072B	Engineering Design Laboratory	9	9	A+	39
MS 115B	Fundamentals of Materials Science	9	9	B-	24
Mu 140	The Great Orchestras: Their History, Repertoire, and Conductors	9	9	P	0
Term Units Att: 36	Earned: 36	All toward GPA: 27	Credits: 99	Term GPA: 3.7	
Cum Units Att: 366	Earned: 366	All toward GPA: 246	Credits: 916	Cum GPA: 3.7	

### SP 2010-11

Course	Description	Att	Earned	Grade	Credits
EE 150	Topics in Electrical Engineering: Introduction to Mechatronics	6	6	P	0
HPS/H 156	The History of Modern Science	9	9	P	0
ME 096	Mechanical Engineering Laboratory	9	9	A	36
PE 054C	Racquetball, Beginning and Intermediate/Advanced	3	3	P	0
PS/Ec 172	Game Theory	9	9	A-	33
Term Units Att: 36	Earned: 36	All toward GPA: 18	Credits: 69	Term GPA: 3.8	
Cum Units Att: 402	Earned: 402	All toward GPA: 264	Credits: 985	Cum GPA: 3.7	

### FA 2011-12

Course	Description	Att	Earned	Grade	Credits
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Course	Description	Att	Earned	Grade	Credits
CDS110A	Introductory Control Theory	12	12	A-	44
E 010	Technical Seminar Presentations	3	3	A-	11
E/ME 105	Product Design for the Developing World	9	9	A	36
Law033	Introduction to the Law	9	9	B	27
PE 082A	Rock Climbing, Beginning and Intermediate	3	3	P	0

Term Units Att: 36	Earned: 36	All toward GPA: 33	Credits: 118	Term GPA: 3.6
Cum Units Att: 438	Earned: 438	All toward GPA: 297	Credits: 1103	Cum GPA: 3.7

### WI 2011-12

Course	Description	Att	Earned	Grade	Credits
CS 021	Decidability and Tractability	9	9	A-	33
HPS/H 160A	Einstein and His Generation: The History of Modern Physical Sciences	9	9	P	0
ME/CS 132A	Advanced Robotics: Navigation and Vision	9	9	P	0
Mu 028	Harmony I	9	9	A	36

Term Units Att: 36	Earned: 36	All toward GPA: 18	Credits: 69	Term GPA: 3.8
Cum Units Att: 474	Earned: 474	All toward GPA: 315	Credits: 1172	Cum GPA: 3.7

### SP 2011-12

Course	Description	Att	Earned	Grade	Credits
Law134	Law and Technology	9	9	P	0
ME/CS 132B	Advanced Robotics: Navigation and Vision	9	9	A-	33
PE 082C	Rock Climbing, Beginning and Intermediate	3	3	P	0

Term Units Att: 21	Earned: 21	All toward GPA: 9	Credits: 33	Term GPA: 3.7
Cum Units Att: 495	Earned: 495	All toward GPA: 324	Credits: 1205	Cum GPA: 3.7

### Memoranda:

- Summer 2010 Summer Undergraduate Research Fellowship  
Controllable Golf Ball Trajectory Using Dynamic Roughness - Mentor: Dr. Beverley J. McKeon
- Summer 2011 Summer Undergraduate Research Fellowship  
New Design for a Vertical Wind Turbine - Mentor: Dr. John O. Dabiri

--- End of official student record ---

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*Mary Kearney Morley*  
Mary Kearney Morley, Registrar