

Masters Colleges

S.no	Name of College	City, Country	World Ranking	Country	Status
1	University of California - Berkeley	Berkeley, California, United States	1	USA	Open
2	University of Michigan	Michigan - Ann Arbor, United States	9	USA	Open
3	University of Chicago	Chicago, Illinois, United States	22	USA	Open
4	University of California - Santa Cruz	Santa Cruz, California, United States	33	USA	Open
5	University of Arizona	Tucson, Arizona, United States	7	USA	Open
6	University of Minnesota - Twin Cities	Minnesota, United States	38	USA	Open
7	University of California - Irvine	California, Irvine, United States	69	USA	Open
8	University of California - Los Angeles	Los Angeles, California, United States	19	USA	Open
9	Pennsylvania State University	Pennsylvania, United States	15	USA	Open
10	Iowa State University	Iowa State, United States	106	USA	Open
16	University of Maryland - College Park	Maryland - College Park, United States	26	USA	Open
17	University of Illinois Urbana-Champaign	Champaign, Illinois, United States	23	USA	Open
18	Northwestern University	Illinois, United States	48	USA	Open
19	University of California - San Diego	San Diego, California, United States	32	USA	Open
20	University of Washington	Washington, Seattle, United States	13	USA	Open
21	University of Massachusetts - Amherst	Massachusetts - Amherst, United States	97	USA	Open
22	Washington State University	Washington, United States	111	USA	Open
23	Carnegie Mellon University	Pennsylvania, United States	68	USA	Open
24	University of Wisconsin - Madison	Wisconsin, United States	28	USA	Open
25	University of Pittsburgh	Pittsburgh, Pennsylvania, United States	77	USA	Open
26	University of Colorado Boulder	Colorado, United States	26	USA	Open
27	Boston University	Massachusetts, United States	76	USA	Open
28	Johns Hopkins University	Maryland, United States	24	USA	Open
29	Purdue University	Indiana, United States	67	USA	Open
30	Washington University in St Louis	Missouri, United States	104	USA	Open
11	Lund University	Lund, Sweden	74	Europe	Open
12	Catholic University of Leuven	Leuven, Belgium	62	Europe	Open
13	University of Bonn	North Rhine-Westphalia, Germany	89	Europe	Open
14	University of Padua	Veneto, Italy	75	Europe	Open
15	Uppsala University	Uppsala, Sweden	216	Europe	Open



Rank	Country	Name of College	City, Country	Website	Email	Notes	Application Deadline	Status	Eligibility
1	USA	University of California - Berkeley	Berkeley, California, United States	<a href="https://berkeley.edu">https://berkeley.edu</a>	graduate@uoregon.edu	Dream School would love to go here definitely Applying	December 2nd, 2024	Open	TOP Personal History Statement, LOR
9	USA	University of Michigan	Michigan - Ann Arbor, United States	<a href="https://umich.edu">https://umich.edu</a>	admissions@umich.edu	Dream School would love to go here definitely Applying	December 15th, 2024	Open	
12	USA	University of Chicago	Chicago, Illinois, United States	<a href="https://uchicago.edu">https://uchicago.edu</a>	admissions@uchicago.edu	Dream School would love to go here definitely Applying	TBD	Open	
23	USA	University of California - Santa Cruz	Santa Cruz, California, United States	<a href="https://ucsc.edu">https://ucsc.edu</a>	admissions@ucsc.edu	Looks good. Has the course I want but might be difficult to get	January 4, 2025	Open	
7	USA	University of Arizona	Tucson, Arizona, United States	<a href="https://arizona.edu">https://arizona.edu</a>	admissions@arizona.edu	Looks good. Has the course I want but might be difficult to get	December 4	Open	
38	USA	University of Minnesota - Twin Cities	Minnesota, United States	<a href="https://twin-cities.umn.edu">https://twin-cities.umn.edu</a>	admissions@twin-cities.umn.edu	Looks good. Has the course I want but might be difficult to get for Fall Position January 15, 2025	December 15, 2024	Open	
69	USA	University of California - Irvine	California, Irvine, United States	<a href="https://uci.edu">https://uci.edu</a>	admissions@uci.edu	Looks good. Has the course I want but might be difficult to get	December 15, 2024	Open	
19	USA	University of California - Los Angeles	Los Angeles, California, United States	<a href="https://ucla.edu">https://ucla.edu</a>	admissions@ucla.edu	Looks good. Has the course I want but might be difficult to get	December 15, 2024	Open	
15	USA	Pennsylvania State University	Pennsylvania United States	<a href="https://psu.edu">https://psu.edu</a>	admissions@psu.edu	Looks good. Has the course I want but might be difficult to get	January 4, 2024	Open	
106	USA	Iowa State University	Iowa State, United States	<a href="https://iastate.edu">https://iastate.edu</a>	admissions@iastate.edu	Looks good. Has the course I want but might be difficult to get	January 19th	Open	
74	Sweden	Lund University	Lund, Sweden	<a href="https://lu.se">https://lu.se</a>	admissions@lu.se	Looks good. Has the course I want but might be difficult to get	TBD	Open	
62	Belgium	Catholic University of Leuven	Leuven, Belgium	<a href="https://kuleuven.be">https://kuleuven.be</a>	admissions@kuleuven.be	Looks good. Has the course I want but might be difficult to get	1 March, 2025	Open	
89	Germany	University of Bonn	North Rhine-Westphalia, Germany	<a href="https://uni-bonn.de">https://uni-bonn.de</a>	admissions@uni-bonn.de	Looks good. Has the course I want but might be difficult to get	1st December	Open	
75	Italy	University of Padua	Veneto, Italy	<a href="https://unipd.it">https://unipd.it</a>	admissions@unipd.it	Looks good. Has the course I want but might be difficult to get	2 February 2024	Open	
116	Sweden	Uppsala University	Uppsala, Sweden	<a href="https://u.se">https://u.se</a>	admissions@u.se	Has only Astronomy and Space Science and is a good college so it's a backup	19 January 2024	Open	
16	USA	University of Maryland - College Park	Maryland - College Park, United States	<a href="https://umc.edu">https://umc.edu</a>	admissions@umc.edu	Has only Astronomy and is a good college so it's a backup	December 15th, 2024	Open	
23	USA	University of Illinois Urbana-Champaign	Champaign, Illinois, United States	<a href="https://uiuc.edu">https://uiuc.edu</a>	admissions@uiuc.edu	Has only Astronomy and is a backup	TBD	Open	
48	USA	Northwestern University	Illinois, United States	<a href="https://northwestern.edu">https://northwestern.edu</a>	admissions@northwestern.edu	Has only Astronomy and is a good college so it's a backup	TBD	Open	
32	USA	University of California - San Diego	San Diego, California, United States	<a href="https://ucsd.edu">https://ucsd.edu</a>	admissions@ucsd.edu	Has only Astronomy and is a backup	December 4, 2024	Open	
97	USA	University of Massachusetts - Amherst	Massachusetts - Amherst, United States	<a href="https://umass.edu">https://umass.edu</a>	admissions@umass.edu	Has only Astronomy and is a good college so it's a backup	December 15	Open	
13	USA	University of Washington	Washington, Seattle, United States	<a href="https://u.washington.edu">https://u.washington.edu</a>	admissions@u.washington.edu	Has only Astronomy and is a good college so it's a backup	December 15	Open	
111	USA	Washington State University	Washington, United States	<a href="https://wsu.edu">https://wsu.edu</a>	admissions@wsu.edu	Has only Astronomy and is a good college so it's a backup	January 10th	Open	
68	USA	Carnegie Mellon University	Pennsylvania, United States	<a href="https://cmu.edu">https://cmu.edu</a>	admissions@cmu.edu	Has only Physics and is a good college so it's a backup	December 15, 2024	Open	
28	USA	University of Wisconsin - Madison	Wisconsin, United States	<a href="https://wisc.edu">https://wisc.edu</a>	admissions@wisc.edu	Has only Physics and is a good college so it's a backup	December 15	Open	
77	USA	University of Pittsburgh	Pittsburgh, Pennsylvania, United States	<a href="https://pitt.edu">https://pitt.edu</a>	admissions@pitt.edu	Has only Physics but with a great backup and is a good college so it's a backup	January 2	Open	
76	USA	Boston University	Massachusetts, United States	<a href="https://bu.edu">https://bu.edu</a>	admissions@bu.edu	Has only Astronomy and is a good college so it's a backup	TBD	Open	
26	USA	University of Colorado Boulder	Colorado, United States	<a href="https://colorado.edu">https://colorado.edu</a>	admissions@colorado.edu	Has Astrophysical & Planetary Science maybe a good backup	December 1st, 2024	Open	
24	USA	Johns Hopkins University	Maryland, United States	<a href="https://jhu.edu">https://jhu.edu</a>	admissions@jhu.edu	Has only Astronomy and is a good college so it's a backup	December 15	Open	
67	USA	Purdue University	Indiana, United States	<a href="https://purdue.edu">https://purdue.edu</a>	admissions@purdue.edu	Has only Physics and is a good college so it's a backup	December 15	Open	
104	USA	Washington University in St Louis	Missouri, United States	<a href="https://wustl.edu">https://wustl.edu</a>	admissions@wustl.edu	Has only Physics and is a good college so it's a backup	TBD	Open	
120	USA	Duke University	North Carolina, United States	<a href="https://duke.edu">https://duke.edu</a>	admissions@duke.edu	Has only Physics and is a good college so it's a backup	December 2	Open	
127	USA	University of North Carolina	Chapel Hill, North Carolina, United States	<a href="https://unc.edu">https://unc.edu</a>	admissions@unc.edu	Has only Physics and is a good college so it's a backup	December 10, 2024	Open	
84	USA	University of Southern California	California, United States	<a href="https://usc.edu">https://usc.edu</a>	admissions@usc.edu	Has only Physics and is a good college so it's a backup	January 1	Open	
115	USA	University of Utah	Utah, United States	<a href="https://uconn.edu">https://uconn.edu</a>	admissions@uconn.edu	Has only Physics and is a good college so it's a backup	December 15, 2024	Open	
57	USA	University of California - Davis	California, United States	<a href="https://ucdavis.edu">https://ucdavis.edu</a>	admissions@ucdavis.edu	Has only Physics and is a good college so it's a backup	January 15, 2025	Open	
139	Switzerland	University of Bern	Bern, Switzerland	<a href="https://unibe.ch">https://unibe.ch</a>	admissions@unibe.ch	Has only Physics and is a good college so it's a backup	TBD	Open	

Record Number	Country	Name of College	City, Country	Website	Email	Notes	Application Deadline	Status	Eligibility
1	USA	University of California - Berkeley	Berkeley, California, United States	<a href="http://www.berkeley.edu">http://www.berkeley.edu</a>	pradhrin@astro.berkeley.edu	Green School would love to go here definitely Applying	December 2nd, 2024	pending	USP, Personal History Statement, LOR
9	USA	University of Michigan	Michigan - Ann Arbor, United States	<a href="http://www.umich.edu">http://www.umich.edu</a>	astroweb@umich.edu	Green School would love to go here definitely Applying	December 15th, 2024	pending	
12	USA	University of Chicago	Chicago, Illinois, United States	<a href="http://www.uchicago.edu">http://www.uchicago.edu</a>	helena@uchicago.edu	Green School would love to go here definitely Applying	TBD	pending	
23	USA	University of California - Santa Cruz	Santa Cruz, California, United States	<a href="http://www.santa.cruz.ca.uk">http://www.santa.cruz.ca.uk</a>	whengre@ucsc.edu	Looks good! Has the course I want but might be difficult to get	January 4, 2025	pending	
7	USA	University of Arizona	Tucson, Arizona, United States	<a href="http://www.arizona.edu">http://www.arizona.edu</a>	caulley@arizona.edu	Looks good! Has the course I want but might be difficult to get	December 4	pending	
38	USA	University of Minnesota - Twin Cities	Minnesota, United States	<a href="http://www.umn.edu">http://www.umn.edu</a>	mlj@umn.edu	Looks good! Has the course I want but might be difficult to get for T&E Positions January 15, 2025	December 15, 2024	pending	
69	USA	University of California - Irvine	California, Irvine, United States	<a href="http://www.uci.edu">http://www.uci.edu</a>	ehuan@uci.edu	Looks good! Has the course I want but might be difficult to get	December 15, 2024	pending	
19	USA	University of California - Los Angeles	Los Angeles, California, United State	<a href="http://www.ucla.edu">http://www.ucla.edu</a>	spoly@physics.ucla.edu	Looks good! Has the course I want but might be difficult to get	December 15, 2024	pending	
15	USA	Pennsylvania State University	Pennsylvania United States	<a href="http://www.psu.edu">http://www.psu.edu</a>	caulley@psu.edu	Looks good! Has the course I want but might be difficult to get	January 4, 2024	pending	
106	USA	Iowa State University	Iowa State, United States	<a href="http://www.iastate.edu">http://www.iastate.edu</a>	physians@iastate.edu	Looks good! Has the course I want but might be difficult to get	January 15th	pending	
74	Sweden	Lund University	Lund, Sweden	<a href="http://www.lund.se">http://www.lund.se</a>	Olle.Chen@lth.se	Looks good! Has the course I want but might be difficult to get	TBD	pending	
62	Belgium	Catholic University of Leuven	Leuven, Belgium	<a href="http://www.kuleuven.be">http://www.kuleuven.be</a>	conny.wertz@kuleuven.be	Looks good! Has the course I want but might be difficult to get	1 March, 2025	pending	
89	Germany	University of Bonn	North Rhine-Westphalia, Germany	<a href="http://www.uni-bonn.de">http://www.uni-bonn.de</a>	pieter@astro.uni-bonn.de	Looks good! Has the course I want but might be difficult to get	1st December	pending	
75	Italy	University of Padua	Veneto, Italy	<a href="http://www.unipd.it">http://www.unipd.it</a>	vro@unipd.it	Looks good! Has the course I want but might be difficult to get	2 February 2024	pending	
116	Sweden	Uppsala University	Uppsala, Sweden	<a href="http://www.uu.se">http://www.uu.se</a>	meester@uu.se	Has only Astronomy and Space Science and it's a good college so it's a backup	15 January 2024	pending	
16	USA	University of Maryland - College Park	Maryland - College Park, United States	<a href="http://www.umd.edu">http://www.umd.edu</a>	Olle.Chen@umd.edu	Has only Astronomy and it's a good college so it's a backup	December 15th, 2024	pending	
23	USA	University of Illinois Urbana-Champaign	Champaign, Illinois, United States	<a href="http://uiuc.edu">http://uiuc.edu</a>	caulley@astro.uiuc.edu	Has only Astronomy and it's a good college so it's a backup	TBD	pending	
48	USA	Northwestern University	Illinois, United States	<a href="http://northwestern.edu">http://northwestern.edu</a>	physians@northwestern.edu	Has only Astronomy and it's a good college so it's a backup	TBD	pending	
32	USA	University of California - San Diego	San Diego, California, United States	<a href="http://www.ucsd.edu">http://www.ucsd.edu</a>	astroph@ucsd.edu	Has only Astronomy and it's a good college so it's a backup	December 4, 2024	pending	
13	USA	University of Washington	Washington, Seattle, United States	<a href="http://www.washington.edu">http://www.washington.edu</a>	office@astro.washington.edu	Has and Astronomy and it's a good college so it's a backup	December 15	pending	
97	USA	University of Massachusetts - Amherst	Massachusetts - Amherst, United States	<a href="http://www.umass.edu">http://www.umass.edu</a>	gralesm@umass.edu	Has only Astronomy and it's a good college so it's a backup	December 15	pending	
111	USA	Washington State University	Washington, United States	<a href="http://wsu.edu">http://wsu.edu</a>	physica@wsu.edu	Has only Astronomy and it's a good college so it's a backup	January 15th	pending	
68	USA	Carnegie Mellon University	Pennsylvania, United States	<a href="http://www.cmu.edu">http://www.cmu.edu</a>	caulley@physics.cmu.edu	Has only Physics and it's a good college so it's a backup	December 15, 2024	pending	
28	USA	University of Wisconsin - Madison	Wisconsin, United States	<a href="http://www.wisc.edu">http://www.wisc.edu</a>	physreg@wisc.edu	Has only Physics and it's a good college so it's a backup	December 15	pending	
77	USA	University of Pittsburgh	Pittsburgh, Pennsylvania, United States	<a href="http://www.pitt.edu">http://www.pitt.edu</a>	dur@pitt.edu	Has only Physics but with Astrophysics track and it's a good college so it's a backup	January 2	pending	

16 Point GPA	Equivalent 4 Point GPA	USA Grade Equivalent
95	3.97	A
94	3.94	A
93	3.91	A
92	3.87	A
91	3.84	A
90	3.81	A
89	3.78	A
88	3.74	A
87	3.71	A
86	3.68	A
85	3.65	A
84	3.62	A
83	3.58	A
82	3.55	A
81	3.52	A
80	3.49	A
79	3.46	A
78	3.42	A
77	3.39	A
76	3.36	A
75	3.32	A
74	3.29	A
73	3.26	A
72	3.22	A
71	3.19	A
70	3.16	A
69	3.12	A
68	3.09	A
67	3.06	B
66	3.02	B
65	2.99	B
64	2.96	B
63	2.92	B
62	2.89	B
61	2.86	B
60	2.82	B
59	2.79	B
58	2.76	B
57	2.72	B
56	2.69	B
55	2.65	B
54	2.62	B
53	2.59	B
52	2.55	B
51	2.52	B
50	2.48	B
49	2.45	C
48	2.42	C
47	2.38	C
46	2.35	C
45	2.32	C
44	2.28	C
43	2.25	C
42	2.22	C
41	2.18	C
40	2.15	C
39	2.12	C
38	2.08	C
37	2.05	C
36	2.02	C
35	1.98	C
34	1.95	C
33	1.91	C
32	1.88	F
31	1.85	F
30	1.81	F
29	1.78	F
28	1.75	F
27	1.71	F
26	1.68	F
25	1.64	F
24	1.61	F
23	1.58	F
22	1.54	F
21	1.51	F
20	1.47	F
19	1.44	F
18	1.41	F
17	1.37	F
16	1.34	F
15	1.31	F
14	1.27	F
13	1.24	F
12	1.21	F
11	1.17	F
10	1.14	F
9	1.10	F
8	1.07	F
7	1.03	F
6	1.00	F
5	0.96	F
4	0.93	F
3	0.89	F
2	0.86	F
1	0.82	F



**Pre-Requisite Courses**

Math	Physics	Computer Science	Astrophysics
Single and Multi-variable calculus (differentiation and integration)	Optics: geometric optics, diffraction, resolution	Data handling	Cosmology: galaxies, distance scales, expanding universe, big bang cosmology
Complex numbers	Dynamics: gravity, solving simple differential equations in dynamics	Simple statistics (computing means and variances)	Observational methods: optical telescopes, detectors, instrumentation for radio, UV, and X-ray astronomy
Trigonometry	Electromagnetism: Maxwell's equations, solving the Laplace equation for symmetric geometries	Plotting functions and histograms	Particles and radiation: undergraduate thermodynamics, Maxwell-Boltzmann distribution, blackbody radiation, emission line spectra
Vectors & Vector calculus		Writing simple programs in a general purpose programming language (Python)	Stellar physics: star types and classification, stellar atmospheres, stellar models, stellar evolution
Fourier transforms			Positional and dynamical astronomy: celestial sphere, planetary orbits
Taylor and Fourier series			Solar system physics, Newton's laws of gravitation, solar system planets and minor bodies, physics of planetary atmospheres
mechanics, electricity, magnetism, and thermodynamics. Introduction to quantum mechanics, special relativity, and atomic structure. Calculus I, II, III Linear Algebra Differential Equations Probability and Statistics Introductory Astronomy Observational Astronomy Introduction to Programming Python General Chemistry Electromagnetism Thermodynamics and Statistical Mechanics Quantum Mechanics Classical Mechanics			Extragalactic Astronomy and Physical Cosmology Astrophysical Techniques Interstellar Matter Numerical Techniques in Astronomy Stellar Dynamics and Galactic Structure Radiative Astrophysics: Stars, Disks, and Winds Radiative Processes in Astronomy Astrophysical Fluid Dynamics Plasma Astrophysics Computational Astrophysics High Energy Astrophysics Solar System Astrophysics Stellar Structure and Evolution

