

CAMPEP Graduate Program Report

AAPM, Nashville, 31 July 2018

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2017 Status (2016)

- # Accredited graduate programs (institutions): 52 (52)
- # Accredited DMP programs: 5 (4)
- # Programs in initial review process: 3
- # Accredited programs in:
 - US 38
 - Canada 12
 - Outside North America 2

Accredited Certificate Programs

- # in Graduate programs: 20 (20)
- # in Residency programs: 4
- # Residency programs w approved courses: 2

Annual Report Data

- 53 institutions responded
 - 1 non-accredited graduate program (Mexico)

N.B.: The following analysis excludes the non-accredited program

- 36 entire program accredited
- 16 some tracks not accredited
- 40 programs do not accept students lacking basic physics qualifications
- 12 programs accept students without full physics qualifications and remediate

Program Response / Degree Offerings

# Programs offering:	2013	2014	2015	2016	2017
MS Degrees	43	43	46	47	47
PhD Degrees	30	34	34	36	37
MS & PhD Degrees	28	30	30	31	32
MS Degree Only	13	13	13	16	15
PhD Degree Only	2	3	3	5	5
DMP	1	2	3	4	5

Graduate Program Applicants

	2013	2014	2015	2016	2017
# applications reviewed	1801	1953	1836	1921	2012
# offered admission	545	602	577	608	594
# matriculated	289	324	294	325	314
Average GPA (MS/PhD)	3.5/3.6	3.5/3.6	3.5/3.6	3.5/3.7	3.4/3.6

Entering Class – Gender

	2013	2014	2015	2016	2017
MS/MSc – Male	64%	69%	67%	61%	62%
PhD – Male	71%	69%	68%	63%	58%
DMP - Male		60%	85%	58%	58%

2017 Application Process

Interview required	20 (38%)
Interview recommended, not required	18 (35%)
No interview	14 (27%)
Total	52
Interview (38 Programs)	
In person	4 (11%)
Telephone	3 (8%)
Either in person or telephone	23 (60%)
Video	6 (16%)
Not specified	2 (5%)

Entering Class - Nationality

Nationality	2013	2014	2015	2016	2017
MS/MSc – Domestic	91%	80%	80%	77%	80%
PhD – Domestic	80%	77%	78%	73%	74%

Under-Represented Ethnic Groups (5 programs chose not to respond)

- 25 institutions reported 47 students (14% of new students)

Black/ African-American	12
Latino/ Hispanic	11
Pacific Islanders	1
Other	23
Total	47

Enrollment and Graduates

	2013	2014	2015	2016	2017
Enrollment					
MS/MSc	467	458	449	402	416
PhD	572	559	572	577	583
DMP	20	25	35	35	40
Total	1059	1042	1056	1014	1039
Graduates					
MS/MSc	162	164	202	139	159
PhD	113	107	99	89	94
DMP	4	5	6	6	10
Total	279	276	307	234	263

Premature Departure

15 Programs reported 26 (2.5%) students left prior to completion
27 (2.8%) last year

Medical or personal reasons	13
Poor academic performance	3
Not a match for interests	6
Left to take job	1
Other	3
Total	26

MS/MSc Graduate Destination

	2013	2014	2015	2016	2017
Applied to residency					79 (50%)
Accepted into residency					54 (34%)
Entered RT residency	37 (23%)	40 (25%)	46 (23%)	42 (30%)	45 (28%)
Entered IP residency	4 (3%)	5 (3%)	10 (5%)	5 (4%)	8 (5%)
Junior MP position	48 (30%)	39 (24%)	26 (13%)	24 (17%)	12 (8%)
Another degree	27 (17%)	39 (24%)	51 (25%)	48 (35%)	60 (38%)
Position in industry	17 (11%)	14 (19%)	19 (9%)	11 (7%)	11 (7%)
Position in government		4 (2%)	5 (3%)	3 (2%)	2 (1%)
Still seeking position	16 (10%)	8 (5%)	9 (5%)	3 (2%)	7 (4%)
Other	12 (7%)	15 (9%)	32 (16%)	8 (5%)	15 (9%)

PhD Graduate Destination

	2013	2014	2015	2016	2017
Applied to residency					51 (54%)
Accepted into residency					52 (55%)
Entered RT residency	28 (25%)	31 (29%)	44 (47%)	33 (37%)	39 (41%)
Entered IP residency	4 (4%)	7 (7%)	6 (6%)	8 (9%)	10 (11%)
Junior MP position	26 (24%)	16 (15%)	8 (8%)	13 (15%)	9 (10%)
Position in academia	18 (16%)	14 (13%)	20 (20%)	17 (19%)	23 (24%)
Position in industry	9 (8%)	5 (5%)	7 (7%)	3 (3%)	1 (1%)
Position outside MP		2 (2%)	2 (2%)	3 (3%)	3 (3%)
Still seeking a position	5 (5%)	2 (2%)	2 (2%)	3 (3%)	1 (1%)
Other	11 (10%)	0	8 (8%)	7 (8%)	9 (10%)

DMP Graduate Destination

	DMP
Junior MP position	9 (90%)
Still seeking a position	1 (10%)
Total	10

Plans for DMP

	2013	2014	2015	2016	2017
No	29	32	39	38	38
Under consideration	4	4	3	6	5
In preparation	4	5	1	2	4
Waiting for institution approval	3	2	4	2	0
Awaiting CAMPEP accreditation	2	2	1	1	1
CAMPEP accredited	1	2	3	4	5

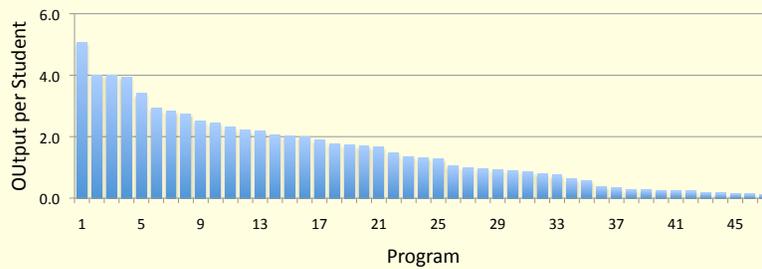
Faculty

	2013	2014	2015	2016	2017
Mean # Faculty/Program (formal affiliation)	18.9 (3-66)	17.5 (3-66)	18.3 (2-66)	19.2 (2-66)	19.2 (2-79)

Student Productivity

47/52 graduate programs reported academic activity.

485 peer reviewed publications & 974 presentations by students (range 0 – 5.1 /student)



Certificate Programs

26 programs accredited

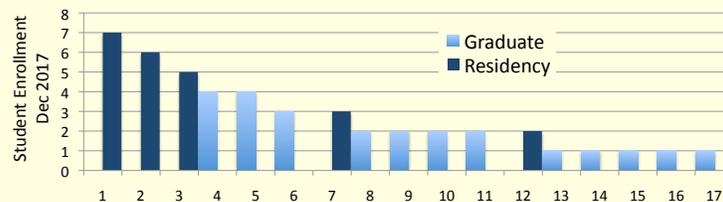
- 20 within graduate programs
- 6 within residency programs

17 programs reporting student numbers in 2017

- 6 programs reporting no student numbers in 2017
- 3 programs graduated students in 2017 and did not recruit

61 students enrolled in 2017

- 24 in 12 graduate programs
- 13 in a program that is closed to new enrollment
- 24 in 5 residency programs



Certificate Programs

	# Applicants	# Students Enrolled	# Students Graduated
2017 Graduate	50	24	17
2017 Residency	14	24	9
2017 Total	64	48 (61*)	26 (35*)
2016	107	110	24
2015	110	113	28
2014	63	49	21
2013	53	36	9

* Includes program that has closed to new enrollment

Certificate Graduate Destination

	Certificate
Entered RT residency	13 (50%)
Entered IP residency	1 (4%)
Junior MP position	3 (12%)
Academic position	2 (8%)
Still seeking a position	0
Other	7 (27%)
Total*	26

*excludes data from program that has closed to new enrollment

Premature Departure

No certificate students left prior to completion of program