

Evidence of Content Knowledge: Number of Specialization Credits and GPA

The following tables show the number of credits and average GPA of candidates completing teaching practice in licensure area courses taken at UPRM. The tables show both total licensure area credits and licensure area credits in upper level courses (4000+) and the corresponding GPAs. Since the tables include candidates that transferred from other institutions, the minimum number of credits taken by a candidate at UPRM does not represent the minimum number of credits taken in the licensure area and GPAs are limited to those courses taken at UPRM. The Puerto Rico Department of Education requires a minimum of 21 credits in the licensure area for certification.

Agriculture Candidates / Year	Data	All Agriculture Credits		Upper Level Agriculture Credits		Physical Ed. Candidates / Year	Data	All Physical Ed. Credits		Upper Level Physical Ed. Credits	
		Approved	GPA	Approved	GPA			Approved	GPA	Approved	GPA
16 in 2015-16	Average	73	3.10	59	3.20	22 in 2015-16	Average	58	3.29	31	3.28
	Minimum	39	2.62	30	2.67		Minimum	41	2.72	21	2.66
	Maximum	124	3.89	112	3.88		Maximum	86	4.00	50	4.00
15 in 2014-15	Average	90	3.14	75	3.15	17 in 2014-15	Average	53	3.15	27	2.96
	Minimum	61	2.45	49	2.45		Minimum	36	2.52	18	2.28
	Maximum	117	3.68	105	3.73		Maximum	77	3.82	43	3.71
14 in 2013-14	Average	78	3.00	61	3.11	15 in 2013-14	Average	59	3.02	31	2.82
	Minimum	39	2.61	28	2.82		Minimum	38	2.63	18	2.33
	Maximum	121	3.90	103	3.88		Maximum	82	3.60	49	3.67
Total 45 from 2013-16	Average	80	3.08	65	3.15	Total 54 from 2013-16	Average	57	3.17	30	3.05
	Minimum	39	2.45	28	2.45		Minimum	36	2.52	18	2.28
	Maximum	124	3.90	112	3.88		Maximum	86	4.00	50	4.00

Over the past three academic years Agricultural Education teacher candidates averaged 65 credits in upper level agriculture courses with a GPA of 3.15 clearly showing a depth and breadth of preparation in the field. UPRM is the only institution in Puerto Rico that prepares Agriculture teachers and as such has historically high expectations for its candidates' performance and community involvement.

Over the past three academic years Physical Education teacher candidates averaged 57 credits in Physical Education courses with 30 or more credits in upper level courses with an average GPA of 3.05. This extensive preparation in the field includes two motor development courses. Note: The two Physical Education candidates with less than 40 credits in Physical Education at UPRM over the past three years began their academic careers at UPRM in 2007 and 2009 respectively, studied at another institution before returning to complete their bachelor's degrees at UPRM.

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Social Science Candidates / Year	Data	All Social Science Credits		Upper Level Social Science Credits		History Candidates / Year	Data	All History Credits		Upper Level History Credits	
		Approved	GPA	Approved	GPA			Approved	GPA	Approved	GPA
15 in 2014-16	Average	59	3.40	25	3.66	11 in 2014-16	Average	45	3.58	16	3.77
	Minimum	18	2.96	6	3.27		Minimum	18	3.00	12	3.40
	Maximum	74	3.95	39	4.00		Maximum	57	3.88	21	4.00
16 in 2013-14	Average	54	3.41	21	3.64	9 in 2013-14	Average	46	3.27	17	3.66
	Minimum	12	2.91	13	3.15		Minimum	21	2.71	9	3.20
	Maximum	75	3.89	42	4.00		Maximum	54	3.63	21	4.00
Total 31 from 2013-16	Average	54	3.40	22	3.66	Total 20 from 2013-16	Average	45	3.44	17	3.70
	Minimum	12	2.91	6	3.15		Minimum	18	2.71	9	3.20
	Maximum	75	3.95	42	4.00		Maximum	57	3.88	21	4.00

The prior table shows that over the past three academic years Social Science and History teacher candidates averaged 54 and 45 credits respectively in their licensure area with average GPAs of 3.66 and 3.70. This represents a breadth and depth of preparation in content far above the norm. Note: One of the three Social Science candidates with less than 40 credits in Social Science at UPRM over the past three years completed 57 credits in history. The other two re-entered UPRM after working and studying elsewhere for several years.

The table at right shows that over the past three academic years English teacher candidates averaged 68 credits in English including 28 credits in upper level courses with GPAs of 3.54 and 3.56. On average UPRM English teacher candidates take a depth and breadth of content preparation into the classroom well above the norm. Note: the one English teacher candidate in 2015-16 who completed only 30 credits in English at UPRM was a transfer student who became a certified social science teacher in 2013.

English Candidates / Year	Data	All English Credits		Upper Level English Credits	
		Approved	GPA	Approved	GPA
10 in 2015-16	Average	53	3.55	19	3.51
	Minimum	30	2.90	3	2.71
	Maximum	76	4.00	31	4.00
11 in 2014-15	Average	74	3.49	32	3.55
	Minimum	63	2.96	21	2.89
	Maximum	90	4.00	42	4.00
14 in 2013-14	Average	74	3.57	32	3.59
	Minimum	27	2.80	3	2.64
	Maximum	111	4.00	56	4.00
Total 45 from 2013-16	Average	68	3.54	28	3.56
	Minimum	27	2.80	3	2.64
	Maximum	111	4.00	56	4.00

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The following table shows the average number of credits and GPA of UPRM teacher candidates in other fields. The average ranges from 30 in Physics to 58 in Business Education. In all cases, the breadth and depth of preparation is well beyond the 21 credits required by the Puerto Rico Department of Education. The minimum number of credits in specialization arise from the alternate preparation routes available at UPRM that include transfers from other institutions and teacher candidates pursuing degrees in related fields such as Chemical Engineering (Chemistry), Industrial Engineering (mathematics), and Mechanical Engineering (Physics), etc. The specific content course and grade data for candidates who completed a bachelor's degree in content at another institution (alternate route) are not included in 1.1.5b.

Specialization / 2013-16	Data	All Specialization Credits		Upper Level Specialization Credits	
		Approved	GPA	Approved	GPA
Art N = 11	Average	54	3.29	33	3.18
	Minimum	46	2.52	28	2.31
	Maximum	72	3.90	45	3.82
Biology N = 23	Average	45	2.98	21	3.11
	Minimum	13	2.43	1	2.23
	Maximum	79	3.93	54	4.00
Business Ed. N = 4	Average	58	3.42	52	3.26
	Minimum	36	2.95	34	3.03
	Maximum	103	4.00	86	3.64
Chemistry N = 6	Average	48	2.90	23	2.81
	Minimum	28	2.57	11	2.33
	Maximum	61	3.18	33	3.12
Specialization / 2013-16	Data	All Specialization Credits		Upper Level Specialization Credits	
		Approved	GPA	Approved	GPA
History N = 20	Average	45	3.44	17	3.70
	Minimum	18	2.71	9	3.20
	Maximum	57	3.88	21	4.00
Math N = 16	Average	49	3.03	26	3.26
	Minimum	10	2.15	3	2.22
	Maximum	84	3.68	55	4.00
Physics N = 5	Average	30	2.93	22	2.91
	Minimum	21	2.68	20	2.70
	Maximum	38	3.45	23	3.30
Spanish N = 11	Average	53	3.50	35	3.52
	Minimum	27	3.04	12	3.02
	Maximum	66	4.00	45	4.00