

## PreGISP Exam Blueprint Weights

Weight calculation for the first iteration of the pre-GIS exam blueprint. The weights are based on how often a fitting knowledge area featured in the learning outcomes of syllabi submitted by instructors of GIS&T courses in the United States. The knowledge areas are from the 14 groups that we derived from the combined bodies of knowledge of UCGIS and EO4GEO.

Given the distribution of these knowledge areas in the syllabi that indicate the most common subjects taught in US-based GIS&T courses, we then incorporated GeoComputation in the Analytical Methods category, and aggregated Physical Principles, Platforms/Sensors, and Image Processing in a knowledge area called Remote Sensing.

<i>Concept</i>	<i>Take 1</i>	<i>Take 2</i>	<i>Take 3</i>	<i>Sum</i>	<i>Percent</i>	<i>14 Knowledge Areas</i>	<i>Prel. Weight</i>	<i>11 Knowledge Areas</i>	<i>Blueprint Weight</i>
AM01	15	12	21	48	1.49%	Analytical Methods	17%	AM + GC	18%
AM02	37	30	32	99	3.08%				
AM03	25	32	46	103	3.20%				
AM04		1	2	3	0.09%				
AM05	31	22	21	74	2.30%				
AM06	5	10	1	16	0.50%				
AM07	29	8	13	50	1.56%				
AM08	4	10	1	15	0.47%				
AM09	8	4	4	16	0.50%				
AM10		2		2	0.06%				
AM11	10	13		23	0.72%				
AM12		4	6	10	0.31%				
AM13	3	9	3	15	0.47%				
AM14	31	22	9	62	1.93%				
AM15	3	16	4	23	0.72%				
CV01		2		2	0.06%	Cartography & Visualization	10%	CV	10%
CV02	69	71	35	175	5.44%				
CV03	28	12	17	57	1.77%				

CV04	3	2		5	0.16%				
CV05	7		9	16	0.50%				
CV06	11	5	5	21	0.65%				
CV07	21	21	8	50	1.56%				
CV08	2	7	1	10	0.31%				
CV09				0	0.00%				
CV10					0.00%				
CV11					0.00%				
CV12	2	3			0.00%				
CF01	59	70	41	170	5.29%	Conceptual Foundations	14%	CF	14%
CF02	5	11	9	25	0.78%				
CF03	9	13	12	34	1.06%				
CF04	3	31	38	72	2.24%				
CF05		1	3	4	0.12%				
CF06	51	20	5	76	2.36%				
CF07		2		2	0.06%				
CF08	4	5	5	14	0.44%				
CF09	31	17	2	50	1.56%				
DM01	91	85	96	272	8.46%	Data Modeling	12%	DM	12%
DM02	3	6		9	0.28%				
DM03			1	1	0.03%				
DM04	16	24	14	54	1.68%				
DM05	7	25	8	40	1.24%				
DM06				0	0.00%				
DM07					0.00%				
DM08					0.00%				
GC01		1		1	0.03%	GeoComputation	1%		
GC02	5	2	3	10	0.31%				
GC03		3	1	4	0.12%				
GC04		1	1	2	0.06%				
GD01	98	50	83	231	7.19%	Geospatial Data	11%	GS	11%
GD02	45	28	15	88	2.74%				

GD03	13	7	1	21	0.65%			
GD04	5	4	1	10	0.31%			
GS01	8	12	5	25	0.78%	GI & Society	3%	GS
GS02	1	10	3	14	0.44%			
GS03		2	1	3	0.09%			
GS04				0	0.00%			
GS05	20	4	2	26	0.81%			
GS06	2	6	6	14	0.44%			
GS07		6	5	11	0.34%			
GS08					0.00%			
OI01	2	1		3	0.09%	Organizational and Institutional Aspects	7%	OI
OI02	30	50	28	108	3.36%			
OI03	37	19	19	75	2.33%			
OI04	2	9	10	21	0.65%			
OI05	3	16	9	28	0.87%			
OI06	3	2	1	6	0.19%			
DS01	1	2	7	10	0.31%	Design of Systems	8%	DS
DS02	1	1	1	3	0.09%			
DS03	5	8	1	14	0.44%			
DS04	16	11	14	41	1.28%			
DS05	29	9	4	42	1.31%			
DS06	22	26	36	84	2.61%			
DS07	17	22	10	49	1.52%			
RS10(IP01)	1	7	3	11	0.34%	Image Processing	3%	RS: IP+PP+PS
RS11(IP02)	1		2	3	0.09%			
RS12(IP03)	3	10	12	25	0.78%			
RS13(IP04)				0	0.00%			
RS14(IP05)	18	26	16	60	1.87%			
RS15(IP06)				0	0.00%			
RS01(PP01)	13	3	2	18	0.56%	Physical Principles	4%	
RS02(PP02)	48	28	18	94	2.92%			

RS03(PP03)	2			2	0.06%			
RS03(PS01)	16	11	2	29	0.90%	Platforms, Sensors	3%	
RS04(PS02)	3	8	8	19	0.59%			
RS05(PS03)	21	25	18	64	1.99%			
TA01	15	17	17	49	1.52%	Thematic & Application Domains	5%	5%
TA02			1	1	0.03%			
TA03				0	0.00%			
TA04	45	27	39	111	3.45%			
WB01	2	6		8	0.25%	Web-Based GI	2%	Web 2%
WB02	1			1	0.03%			
WB03				0	0.00%			
WB04	1	4	5	10	0.31%			
WB05	14	9	2	25	0.78%			
WB06	16	4	2	22	0.68%			
Sum KA mentions	1208	1125	882	321			100%	100%