

# Education vs Internship Chart

COMPETENCY		Required Form of Comprehension		Expectation at Licensure									
		SPC/PPC		% Completion Toward Expectation at Licensure									
				10	20	30	40	50	60	70	80	90	100
0	<b>Foundation Education</b>		<b>PPC6</b>										
	0.1	Critical Thinking		PPC6/B1									
	0.2	Research Skills		B1									
	0.3	Graphic Skills		PPC2/A3									
	0.4	Verbal & Writing Skills		PPC6									
	0.5	Collaborative Skills		PPC4									
	0.6	Human Behaviour		PPC3/B4									
	0.7	Cultural Diversity		PPC3/B2/B4									
	0.8	History & Theory		B2/B3									
	0.9	Precedents		B2									
	0.10	Design Skills		A2									
1	<b>Programming</b>		<b>PPC2/PPC5</b>										
	1.1	Prepare an architectural program	3	A4									
	1.2	Incorporate principles of sustainable development within an architectural program	3	PPC3/B5/C5									
	1.3	Evaluate the architectural program	5	A4									
2	<b>Site and Environmental Analysis</b>		<b>PPC3</b>										
	2.1	Propose solutions to the siting of a building in relation to its environment	5	PPC3/A5/A6									
3	<b>Schematic Design</b>		<b>PPC2</b>										
	3.1	Define schematic design principles and approaches	2	A1/A2/A6									
	3.2	Analyze design principles and solutions in relation to context	4	A1/A2/A6									
	3.3	Evaluate aesthetics of design solutions	5	A3									
	3.4	Use conceptual+representational skills to imagine/communicate design concepts/solutions	3	A2/A8									
	3.5	Assess technical aspects of the schematic design solutions	5	B5/C2/C3/									
	3.6	Produce schematic design solutions for a project	6	A2/A3A6/A8									
4	<b>Engineering Systems</b>		<b>PPC5</b>										
	4.1	Understand structural systems and their influence on design	2	PPC5/C3									
	4.2	Understand mechanical systems and their influence on sustainability and design	2	PPC5/B5/C5									
	4.3	Understand electrical systems and their influence on sustainability and design	2	PPC5/B5/C5									
	4.4	Understand civil engineering systems and their influence on sustainability and design	2	PPC5/B5/C5									
	4.5	Analyze the choice of engineering system options relative to a project	4	PPC5/B5									
5	<b>Building Cost Analysis</b>		<b>PPC5</b>										
	5.1	Outline factors influencing cost	2	PPC5/E5									
	5.2	Understand methods of estimating costs (range of options)	2	PPC5/E5									
	5.3	Apply cost estimating methods to a project	3	PPC5/E5									
	5.4	Develop cost planning/ cost control methodology	6	PPC5/E5									
6	<b>Code Research</b>		<b>PPC1/PPC5</b>										
	6.1	Understand the scope+application of nat.+local building codes to all aspects of building	2	C1/E2									
	6.2	Apply code requirements to the design process	3	C1/E2									
	6.3	Apply code requirements to construction documents	3	C1/E2									
	6.4	Demonstrate awareness of alternate solution provisions in nat.+local building codes	1	C1/E2									
	6.5	Apply energy-related code requirements to a project											
7	<b>Design Development</b>		<b>PPC2</b>										
	7.1	Assess factors influencing design development	5	A6/A7/D									
	7.2	Assess engineering systems and regulatory factors	5	D/E5									
	7.3	Develop a solution in response to project criteria	6	A6/C2/C4									
	7.4	Evaluate alternatives in finalizing a detailed solution	5	A7/D									
	7.5	Evaluate detailed solutions with regards to client/user group program needs	5	A6/A7/D									
	7.6	Develop design documentation (for review and approval of the proposed solution)	6	A8/D									
	8	<b>Construction Documents</b>		<b>PPC5</b>									
8.1		Understand components of construction documents	2	A8/D									
8.2		Understand construction materials, their properties and influence on design+documents	2	C2/D									
8.3		Create material assemblies with consideration to their properties and their influence	6	C2/D									
8.4		Create a building envelope (design and detailing)	6	C4/D									
8.5		Apply the principles of technical specifications	3	A8/D/E2									
8.6		Coordinate construction documents	4	PPC4A7									
9	<b>Bidding &amp; Contract Negotiations</b>		<b>PPC5</b>										
	9.1	Summarize methods of realizing construction projects/forms of project delivery	2	PPC1/E1E2									
	9.2	Summarize major types of construction contracts, including purpose and obligations	2	PPC1/E1/E2									
	9.3	Evaluate bids submitted by contractors	5	PPC1/E1/E2									
	9.4	Apply processes for considering and awarding construction contracts	3	PPC1/E2/E4									
10	<b>Construction Phase</b>		<b>PPC4/PPC5</b>										
	10.1	Analyze the role of architects in the administration of the construction contract	4	E1/E2/E3/E4									
	10.2	Administer construction phase office tasks	4	E1/E3/E4/E5									
	10.3	Administer construction phase site tasks	6	E1/E2/E3/E4									
	10.4	Administer appropriate forms and documents	5	E1/E3/E4/E5									
11	<b>Management of the Project</b>		<b>PPC1/PPC5</b>										
	11.1	Apply the principles of managing an architectural project	3	E5									
	11.2	Develop and implement work plans	6	E5									
12	<b>Professionalism &amp; Professional Practice</b>		<b>PPC1/PPC4</b>										
	12.1	Consider external relationships in practice management	5	PPC4/ E1/3									
	12.2	Understand the role of a self-governing profession in contemporary Canadian society	2	PPC1/E2									
	12.3	Consider internal aspects of practice management	5	PPC1/E4 E5									

Forms of Comprehension (Bloom's Levels)

- 0 No Knowledge
- 1 Remember
- 2 Understand
- 3 Apply
- 4 Analyze
- 5 Evaluate
- 6 Create

DRAFT