Mapping between SEOUL ACCORD Graduate Attributes and CONAIC graduation competencies

Table 1. Graduate Attributes Planned SEUOL ACCORD / CONAIC graduation competencies

	Graduate Attribute / SEUOL ACCORD	Description	CONAIC graduation competency	Atribute
1	**Academic Education**	Completion of an accredited program of study designed to prepare graduates as computing professionals	Graduation of computing bachelor's degree (CONAIC document: https://www.conaic.net/ingles/publicaciones/Graduate%20Attribute%20Standards.pdf)	Profiles: A: Bachelor's degree in Information Systems B. Bachelor's degree in Software Engineering C. Bachelor's degree in Computer Science D. Bachelor's degree in Computer Engineering
2	**Knowledge for Solving Computing Problems**	Apply knowledge of computing fundamentals, knowledge of a computing specialization, and mathematics, science, and domain knowledge appropriate for the computing specialization to the abstraction and conceptualization of computing models from defined problems and requirements	Problem approaching and solving. Decision Making (CONAIC document: https://www.conaic.net/ingles/publicaciones/Graduate%20Attribute%20Standards.pdf	Analyzes the constituent elements of a problem in order to devise strategies that will allow to obtain, in a reasoned way, a proven solution, according to some pre-established criteria. Identifies patterns that anticipate possible explanations and/or solutions to industrial, technological and operational problems for proper decision making. z
3	**Problem Analysis**	Identify, formulate, research literature,	Information Analysis and Synthesis (CONAIC document: https://www.conaic.net/ingles/publicaciones/Graduate%20Attribute%20Standards.pdf	Recognizes and describes the constituent elements of a reality,

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		and solve complex computing problems reaching substantiated conclusions using fundamental principles of mathematics, computing sciences, and relevant domain disciplines	)	organizes significant information according to pre-established criteria appropriate to a purpose
4	**Design/ Development of Solutions**	Design and evaluate solutions for complex computing problems, and design and evaluate systems, components, or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.	Solution Modeling Decision Making (CONAIC document: https://www.conaic.net/ingles/publicaciones/Graduate%20Attribute%20Standards.pdf)	Discusses the existing models fundamentals and properties. Translates and interprets the model elements in terms of the real world. Identifies patterns that anticipate possible explanations and/or solutions to industrial, technological and operational problems for proper decision making.
5	**Modern Tool Usage**	Create, select, adapt and apply appropriate techniques, resources, and modern computing tools to complex computing activities, with an understanding of the	Effective use of ICT tools (including new technologies) (CONAIC document: https://www.conaic.net/ingles/publicaciones/Graduate%20Attribute%20Standards.pdf)	Ability to become up to date on the use of technology in the area that has an impact on his/her continuous improvement.

		limitations		
6	**Individual and Team Work**	Function effectively as an individual and as a member or leader in diverse teams and in multi-disciplinary settings	Team Work (CONAIC document: https://www.conaic.net/ingles/publicaciones/Graduate%20Attribute%20Standards.pdf)	Participates effectively in diverse teams and Actively collaborates in the pursuit of common goals.
7	**Communication**	Communicate effectively with the computing community and with society at large about complex computing activities by being able to comprehend and write effective reports, design documentation, make effective presentations, and give and understand clear instructions	Oral and written communication skills (CONAIC document: https://www.conaic.net/ingles/publicaciones/Graduate%20Attribute%20Standards.pdf)	Transmits knowledge, expresses ideas and arguments in a clear, rigorous and convincing manner, both orally and in writing, by properly using graphic resources and media, adapting to both the situation and the audience characteristics.
8	**Computing Professionalism and Society**	Understand and assess societal, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional computing practice	Vision on the impact of Solutions (CONAIC document: https://www.conaic.net/ingles/publicaciones/Graduate%20Attribute%20Standards.pdf)	The ability to analyze the local and global impact of IT solutions on people, organizations, and society in general.
9	**Ethics**	Understand and commit to professional ethics,	Responsibility in performance (CONAIC document: https://www.conaic.net/ingles/publicaciones/Graduate%20Attribute%20Standards.pdf)	Understanding of professional, ethical, legal, and social aspects, as well as of the

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		responsibilities, and norms of professional computing practice		responsibility inherent in each one of them.
10	**Life-long Learning**	Recognize the need, and have the ability, to engage in independent learning for continual development as a computing professional	Autonomous learning (CONAIC document: https://www.conaic.net/ingles/publicaciones/Graduate%20Attribute%20Standards.pdf)	Learns through self-initiative and interest throughout life.