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STUDENT OUTCOMES FO-TESJo-204	AUTORIZÓ: DIRECCIÓN ACADÉMICA	Tipo de Formato: FO-TESJo-A
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Educational Program:	Materials Engineering
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Student Outcomes (SO)	
No.	Description
SO1	Use scientific fundamentals of materials engineering to optimize the processes for obtaining, transforming, and manufacturing polymeric, metallic, composite materials, as well as biomaterials and nanomaterials.
SO2	Solve problems in materials engineering and technology relating the physical, chemical, and biological properties of materials to obtain and modify the structure and characteristics of a material for a specific application in emerging areas.
SO3	Model and simulate methods of obtaining and processing materials to improve their performance and functionality.
SO4	Design and develop experiments focused on obtaining new materials, as well as distinguish and apply the different techniques for characterization and analysis of materials to evaluate their properties and establish conclusions about structure-property interrelationships to ensure the quality of processes and products.
SO5	Being able to carry out an effective oral and written communication in different social context using technical-scientific language.
SO6	Behave and make decisions with ethical, legal, economic, and environmental responsibility in production, control, management, and use of different types of materials.
SO7	Maintain an attitude of commitment in their continuous and autonomous professional updating, for the adaptation, assimilation, and innovation of emerging technologies.
SO8	Collaborate in interdisciplinary work teams as a member and leader to achieve common objectives that allow the solution of problems and project development, in aspects related to the synthesis, production and transformation of materials.

Date of update of the Student Outcomes:	Vo. Bo.		
23 de febrero de 2022	Dr. Víctor Hugo Castrejón Sánchez Presidente de Academia	Dra. Azucena Garduño Alva Jefatura de División	M. en C. Javier Molina González Subdirección de Estudios Profesionales