



Grado Asociado en Tecnología de Ingeniería de Control de Calidad
 Associate Degree in Quality Control Engineering Technology
 52 credits

Academic Division: Engineering, Design & Architecture

Department: Engineering

Effective: August 2024

CURRICULUM

General Education Component - 24 credits

Course	Credits	Title	Requisites
MATH 121	3	Intermediate Algebra	MAGS 120 or placement test
INGS 202	3	Introduction to Research and Information Literacy	SPGS 152
ENGS 152*	3	Fundamentals of Speaking, Reading and Writing I	
SPGS 152*	3	Fundamentals of Reading and Writing	
HUGS 101	3	World Culture I	
SOGS 201	3	The Individual: Dimension and Social Conscience	
ENGS 153	3	Fundamentals of Speaking, Reading and Writing II	ENGS 152
SPGS 250	3	Writing Techniques	SPGS 152

Core Component - 11 credits

Course	Credits	Title	Requisites
ECTE 122	3	Introduction to Computer Programming	Co req. MATH 152 or approved
MATH 151	4	Precalculus I	MATH 121
MATH 152	4	Precalculus II	MATH 151

Major Component - 13 credits

Course	Credits	Title	Requisites
QETE 240	3	Quality Management Principles and Improvement Tools	Co req. MATH 121 or approved
QETE 245	3	Fundamentals of Statistical Process Control and Metrology	QETE 240
QETE 245L	1	Laboratory of Fundamentals of Statistical Process Control and Metrology	
QETE 250	3	Introduction to Technical Engineering Management	MATH 152
QETE 255	3	Fundamentals of Lean Manufacturing-Six Sigma	QETE 245

Elective Course - 4 credits

Course	Credits	Title	Requisites
MATH 221	4	Calculus I	MATH 152
QETE 260	4	Principles of Industrial Regulations and Validations	QETE 240

**PRELIMINARY ACADEMIC EVALUATION
 SUBJECT TO CHANGE**

Credits' Total:

_____ Approved
 _____ Remaining

Student's Signature: _____ Date: _____

Academic Counselor's Signature: _____

Date: _____

CURRICULAR SEQUENCE

First Year

First Semester				Second Semester			
Course	Credits	Approved	In Progress	Course	Credits	Approved	In Progress
HUGS 101	3			QETE 240	3		
MATH 121*	3			MATH 151+	4		
ENGS 152*	3			ENGS 153	3		
SPGS 152*	3			SPGS 250	3		
Total	12			Total	13		

Second Year

Primer Semestre				Segundo Semestre			
Course	Credits	Approved	In Progress	Course	Credits	Approved	In Progress
QETE 245	3			QETE 250	3		
QETE 245L	1			QETE 255	3		
INGS 202	3			SOGS 201	3		
ECTE 122	3			Elective course	4		
MATH 152+	4						
Total	14			Total	13		

Notes:

- *Students will be enrolled according to their College Board results.
- +Course with laboratory.
- Engineering technology competencies in mathematics start at Intermediate Algebra level, and competencies in science require an ability to identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics. These exceed compliance levels of the COMPETENT competency level for both quantitative and scientific reasoning.
- New students, without previous university experience, are required to take the Student Induction and Leadership Seminar (SIGS 100) and it will be offered the week before classes begin. Late registration students must complete this seminar during the academic semester.
- Developmental courses to develop academic skills for students entering with some deficiency: MAGS 120 (I) Introductory Algebra (3 credits).
- The minimum passing grade for core and major courses component is C.
- Subject to change.