

		CODIGO DE PROGRAMA PF110 CODIGO DE PENSUM 10122 INGENIERÍA INDUSTRIAL ARTICULADO POR CICLOS PROPEDEUTICO CON TECNOLOGÍA EN LOGÍSTICA EMPRESARIAL										
COMPONENTE CURRICULAR	ÁREA DE FORMACIÓN	I	II	III	IV	V	VI	VII	VIII	IX	X	
HUMANÍSTICO		H3111 Cátedra Reformada CRED HAD HI HT 0 2 2 4				0003 Electiva de Formación Tecnológica CRED HAD HI HT 3 3 6 9	H3124 Constitución Política CRED HAD HI HT 2 2 4 6				H3004 Electiva de Formación Universitaria CRED HAD HI HT 3 3 6 9	
		H3121 Competencias Comunicativas CRED HAD HI HT 2 2 4 6					H3127 Ética CRED HAD HI HT 2 2 4 6	H3221 Contexto cultural, globalización y cambio social CRED HAD HI HT 2 2 4 6		H3141 Medio Ambiente y Desarrollo CRED HAD HI HT 2 2 4 6		
FORMACIÓN DISCIPLINAR	BÁSICA	13001 Cálculo Diferencial CRED HAD HI HT 3 3 6 9	13003 13001 Cálculo Integral CRED HAD HI HT 3 3 6 9	B3113 13003 Cálculo Vectorial CRED HAD HI HT 3 3 6 9								
	BÁSICA DE INGENIERÍA	B3121 Química General* CRED HAD HI HT 3 4 5 9		B3131 13004 B3131 Física Eléctrica* CRED HAD HI HT 3 4 5 9	13004 B3131 Física Eléctrica* CRED HAD HI HT 3 4 5 9	C3135 13004 Física Ondulatoria** CRED HAD HI HT 3 4 5 9						
			B3142 13001 Álgebra Lineal CRED HAD HI HT 3 3 6 9		C3140 B3113 Ecuaciones Diferenciales** CRED HAD HI HT 3 3 6 9							
		B3155 Tecnologías de la Información y las comunicaciones CRED HAD HI HT 2 2 4 6	B3152 Diseño Gráfico** CRED HAD HI HT 2 2 4 6	0002 B3121 Materiales de Ingeniería CRED HAD HI HT 3 3 6 9								
FORMACIÓN CENTRADA E INVESTIGATIVA	PROCESOS INVESTIGATIVOS				B3143 13001 Estadística Descriptiva CRED HAD HI HT 2 2 4 6	1000 B3143 Metodología de la Investigación CRED HAD HI HT 2 2 4 6		B3144 Estadística Inferencial CRED HAD HI HT 2 2 4 6	1005 Proyecto de Grado I CRED HAD HI HT 3 3 6 9	1006 1005 Proyecto de Grado II CRED HAD HI HT 3 3 6 9		
PROFUNDIZACIÓN Y ENFASIS PROFESIONAL	GESTIÓN DE OPERACIONES Y PROCESOS			P3163 Métodos y Tiempos* CRED HAD HI HT 3 4 5 9	P3164 P3163 Procesos Industriales* CRED HAD HI HT 3 4 5 9			P3176 P3163 Investigación de operaciones I CRED HAD HI HT 3 3 6 9	C3177 Investigación de operaciones II CRED HAD HI HT 3 3 6 9	P3271 C3177 Gestión de Operaciones CRED HAD HI HT 3 3 6 9	P3272 P3271 Producción CRED HAD HI HT 3 3 6 9	P3273 P3272 Simulación de Procesos productivos* CRED HAD HI HT 3 4 5 9
	LOGÍSTICA	0001 Introducción a la Logística e Industria CRED HAD HI HT 2 2 4 6		P3163 0001 Logística de Compras y Aprovisionamiento CRED HAD HI HT 3 3 6 9	P3164 P3163 Logística de Inventarios y Almacén* CRED HAD HI HT 3 4 5 9	P3166 P3164 Logística de Transporte y Distribución CRED HAD HI HT 3 3 6 9						1008 P3272 Diseño y mantenimiento de plantas CRED HAD HI HT 3 3 6 9
	CALIDAD			P3153 0002 Metrología Industrial CRED HAD HI HT 3 3 6 9		P3153 B3143 Control de la Calidad CRED HAD HI HT 3 4 5 9		P3137 Seguridad y Salud en el Trabajo CRED HAD HI HT 3 3 6 9	1007 P3137 Sistemas de Gestión CRED HAD HI HT 3 3 6 9			
FORMACIÓN PROFESIONAL	ADMINISTRACIÓN DE ORGANIZACIONES		H3312 Fundamentos de Administración CRED HAD HI HT 2 2 4 6		C3127 Gestión del Talento Humano** CRED HAD HI HT 3 3 6 9			P3125 Contabilidad de Costos CRED HAD HI HT 3 3 6 9	P3221 P3125 Ingeniería Económica CRED HAD HI HT 3 3 6 9	H3212 P3221 Formulación y Evaluación de Proyectos CRED HAD HI HT 2 2 4 6	H3212 Emprendimiento y Creatividad CRED HAD HI HT 3 3 6 9	
	DESARROLLO EMPRESARIAL						13005 Desarrollo Empresarial Tecnológico CRED HAD HI HT 6 6 12 18				1009 Desarrollo Empresarial Universitario CRED HAD HI HT 6 6 12 18	
	ELECTIVAS COMPLEMENTARIAS Y DE ENFASIS					0004 Electiva Complementaria Tecnológica I CRED HAD HI HT 3 3 6 9	0005 Electiva Complementaria Tecnológica II CRED HAD HI HT 3 3 6 9	1001 Electiva de Énfasis I CRED HAD HI HT 3 3 6 9	1002 Electiva de Énfasis II CRED HAD HI HT 3 3 6 9	0006 1002 Electiva de Énfasis III CRED HAD HI HT 3 3 6 9		

CRED	HAD	HI	HT
15	19	30	45

CRED	HAD	HI	HT
16	17	31	48

CRED	HAD	HI	HT
15	17	28	45

CRED	HAD	HI	HT
14	16	26	42

CRED	HAD	HI	HT
14	15	27	42

CRED	HAD	HI	HT
15	16	32	48

CRED	HAD	HI	HT
16	18	32	48

CRED	HAD	HI	HT
15	15	30	45

CRED	HAD	HI	HT
15	16	32	48

CRED	HAD	HI	HT
18	19	35	54

*Asignaturas teórico prácticas
**Asignaturas del componente propedéutico

*** Pre-requisito Optativa Empresarial Tecnológica. Todas las asignaturas aprobadas hasta V semestre incluyendo esta.

COMPONENTES CURRICULARES	Nº CRED
HUMANÍSTICO	16
FORMACIÓN DISCIPLINAR	26
FORMACIÓN CENTRADA E INVESTIGATIVA	12
PROFUNDIZACIÓN Y ENFASIS PROFESIONAL	47
FORMACIÓN PROFESIONAL	43
COMPONENTE PROPEDEUTICO	11
TOTAL CREDITOS	155

Código	Pre-Req.
CRED	HAD HI HT
	Asignatura
	Nivel tecnológico
	Semestral
	Periodo Académico

CRED	HAD	HI	HT
50	100	174	274
90	1600	2784	4364

4320

*** Pre-requisito Optativa Empresarial Universitaria. Todas las asignaturas aprobadas hasta IX semestre incluyendo esta.

Nivel profesional
Semestral
Periodo Académico

CRED	HAD	HI	HT
65	66	129	195
65	1056	2064	3120

tecnológico-profesional

CRED	HAD	HI	HT
155	166	303	469
155	2656	4848	7354

7440