

INGENIERÍA EN SISTEMAS COMPUTACIONALES

ISIC-2010-224

(Rev. 01/oct/2016)

TECNOLOGÍAS PARA LA GESTIÓN DE DATOS (ISIE-TGD-2017-01)

PRIMERO	SEGUNDO	TERCERO	CUARTO	QUINTO	SEXTO	SÉPTIMO	OCTAVO	NOVENO																																																																								
<p>Cálculo Diferencial</p> <p>ACF-0901</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>3</td><td>2</td><td>5</td><td></td></tr> </table>	HC	HP	OC	C	3	2	5		<p>Cálculo Integral</p> <p>ACF-0902</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>3</td><td>2</td><td>5</td><td></td></tr> </table>	HC	HP	OC	C	3	2	5		<p>Cálculo Vectorial</p> <p>ACF-0904</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>3</td><td>2</td><td>5</td><td></td></tr> </table>	HC	HP	OC	C	3	2	5		<p>Ecuaciones Diferenciales</p> <p>ACF-0905</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>3</td><td>2</td><td>5</td><td></td></tr> </table>	HC	HP	OC	C	3	2	5		<p>Fundamentos de Telecomunicaciones</p> <p>AEC-1034</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>2</td><td>2</td><td>4</td><td></td></tr> </table>	HC	HP	OC	C	2	2	4		<p>Redes de Computadora</p> <p>SCD-1021</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>2</td><td>3</td><td>5</td><td></td></tr> </table>	HC	HP	OC	C	2	3	5		<p>Comutación y Enrutamiento de Redes de Datos</p> <p>SCD-1004</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>2</td><td>3</td><td>5</td><td></td></tr> </table>	HC	HP	OC	C	2	3	5		<p>Administración de Redes</p> <p>SCA-1002</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>0</td><td>4</td><td>4</td><td></td></tr> </table>	HC	HP	OC	C	0	4	4		<p>Residencias Profesionales</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td></td><td></td><td></td><td>10</td></tr> </table>	HC	HP	OC	C				10
HC	HP	OC	C																																																																													
3	2	5																																																																														
HC	HP	OC	C																																																																													
3	2	5																																																																														
HC	HP	OC	C																																																																													
3	2	5																																																																														
HC	HP	OC	C																																																																													
3	2	5																																																																														
HC	HP	OC	C																																																																													
2	2	4																																																																														
HC	HP	OC	C																																																																													
2	3	5																																																																														
HC	HP	OC	C																																																																													
2	3	5																																																																														
HC	HP	OC	C																																																																													
0	4	4																																																																														
HC	HP	OC	C																																																																													
			10																																																																													
<p>Fundamentos de Programación</p> <p>SCD-1008</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>2</td><td>3</td><td>5</td><td></td></tr> </table>	HC	HP	OC	C	2	3	5		<p>Programación Orientada a Objetos</p> <p>SCD-1020</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>2</td><td>3</td><td>5</td><td></td></tr> </table>	HC	HP	OC	C	2	3	5		<p>Estructura de Datos</p> <p>AED-1026</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>2</td><td>3</td><td>5</td><td></td></tr> </table>	HC	HP	OC	C	2	3	5		<p>Tópicos Avanzados de Programación</p> <p>SCD-1027</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>2</td><td>3</td><td>5</td><td></td></tr> </table>	HC	HP	OC	C	2	3	5		<p>Fundamentos de Ingeniería de Software</p> <p>SCC-1007</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>2</td><td>2</td><td>4</td><td></td></tr> </table>	HC	HP	OC	C	2	2	4		<p>Ingeniería de Software</p> <p>SCD-1011</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>2</td><td>3</td><td>5</td><td></td></tr> </table>	HC	HP	OC	C	2	3	5		<p>Gestión de Proyectos de Software</p> <p>SCG-1009</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>3</td><td>3</td><td>6</td><td></td></tr> </table>	HC	HP	OC	C	3	3	6		<p>Tópicos avanzados de seguridad en redes convergentes</p> <p>TGD-1702</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>2</td><td>3</td><td>5</td><td></td></tr> </table>	HC	HP	OC	C	2	3	5										
HC	HP	OC	C																																																																													
2	3	5																																																																														
HC	HP	OC	C																																																																													
2	3	5																																																																														
HC	HP	OC	C																																																																													
2	3	5																																																																														
HC	HP	OC	C																																																																													
2	3	5																																																																														
HC	HP	OC	C																																																																													
2	2	4																																																																														
HC	HP	OC	C																																																																													
2	3	5																																																																														
HC	HP	OC	C																																																																													
3	3	6																																																																														
HC	HP	OC	C																																																																													
2	3	5																																																																														
	<p>Taller de Administración</p> <p>SCH-1024</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>1</td><td>3</td><td>4</td><td></td></tr> </table>	HC	HP	OC	C	1	3	4		<p>Contabilidad Financiera</p> <p>AEC-1008</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>2</td><td>2</td><td>4</td><td></td></tr> </table>	HC	HP	OC	C	2	2	4		<p>Métodos Numéricos</p> <p>SCC-1017</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>2</td><td>2</td><td>4</td><td></td></tr> </table>	HC	HP	OC	C	2	2	4		<p>Simulación</p> <p>SCD-1022</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>2</td><td>3</td><td>5</td><td></td></tr> </table>	HC	HP	OC	C	2	3	5		<p>Programación Web</p> <p>AEB-1055</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>2</td><td>3</td><td>5</td><td></td></tr> </table>	HC	HP	OC	C	2	3	5		<p>Tópicos avanzados de programación Web</p> <p>TGD-1701</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>2</td><td>3</td><td>5</td><td></td></tr> </table>	HC	HP	OC	C	2	3	5		<p>Programación Avanzada en Tecnologías Móviles</p> <p>TGD-1703</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>2</td><td>3</td><td>5</td><td></td></tr> </table>	HC	HP	OC	C	2	3	5																		
HC	HP	OC	C																																																																													
1	3	4																																																																														
HC	HP	OC	C																																																																													
2	2	4																																																																														
HC	HP	OC	C																																																																													
2	2	4																																																																														
HC	HP	OC	C																																																																													
2	3	5																																																																														
HC	HP	OC	C																																																																													
2	3	5																																																																														
HC	HP	OC	C																																																																													
2	3	5																																																																														
HC	HP	OC	C																																																																													
2	3	5																																																																														
<p>Taller de Ética</p> <p>ACA-0907</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>0</td><td>4</td><td>4</td><td></td></tr> </table>	HC	HP	OC	C	0	4	4		<p>Química</p> <p>AEC-1058</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>2</td><td>2</td><td>4</td><td></td></tr> </table>	HC	HP	OC	C	2	2	4		<p>Investigación de Operaciones</p> <p>SCC-1013</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>2</td><td>2</td><td>4</td><td></td></tr> </table>	HC	HP	OC	C	2	2	4		<p>Fundamentos de Bases de Datos</p> <p>AEF-1031</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>2</td><td>2</td><td>5</td><td></td></tr> </table>	HC	HP	OC	C	2	2	5		<p>Taller de Bases de Datos</p> <p>SCA-1025</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>0</td><td>4</td><td>4</td><td></td></tr> </table>	HC	HP	OC	C	0	4	4		<p>Administración de Bases de Datos</p> <p>SCB-1001</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>1</td><td>4</td><td>5</td><td></td></tr> </table>	HC	HP	OC	C	1	4	5		<p>Taller de Investigación I</p> <p>ACA-0909</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>0</td><td>4</td><td>4</td><td></td></tr> </table>	HC	HP	OC	C	0	4	4		<p>Taller de Investigación II</p> <p>ACA-0910</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>0</td><td>4</td><td>4</td><td></td></tr> </table>	HC	HP	OC	C	0	4	4										
HC	HP	OC	C																																																																													
0	4	4																																																																														
HC	HP	OC	C																																																																													
2	2	4																																																																														
HC	HP	OC	C																																																																													
2	2	4																																																																														
HC	HP	OC	C																																																																													
2	2	5																																																																														
HC	HP	OC	C																																																																													
0	4	4																																																																														
HC	HP	OC	C																																																																													
1	4	5																																																																														
HC	HP	OC	C																																																																													
0	4	4																																																																														
HC	HP	OC	C																																																																													
0	4	4																																																																														
<p>Fundamentos de Investigación</p> <p>ACC-0906</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>2</td><td>2</td><td>4</td><td></td></tr> </table>	HC	HP	OC	C	2	2	4		<p>Desarrollo Sustentable</p> <p>ACD-0908</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>2</td><td>3</td><td>5</td><td></td></tr> </table>	HC	HP	OC	C	2	3	5		<p>Algebra Lineal</p> <p>ACF-0903</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>3</td><td>2</td><td>5</td><td></td></tr> </table>	HC	HP	OC	C	3	2	5		<p>Sistemas Operativos</p> <p>AEC-1061</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>2</td><td>2</td><td>4</td><td></td></tr> </table>	HC	HP	OC	C	2	2	4		<p>Taller de Sistemas Operativos</p> <p>SCA-1026</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>0</td><td>4</td><td>4</td><td></td></tr> </table>	HC	HP	OC	C	0	4	4		<p>Lenguajes y Automatas I</p> <p>SCD-1015</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>2</td><td>3</td><td>5</td><td></td></tr> </table>	HC	HP	OC	C	2	3	5		<p>Lenguajes y Automatas II</p> <p>SCD-1016</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>2</td><td>3</td><td>5</td><td></td></tr> </table>	HC	HP	OC	C	2	3	5		<p>Tópicos avanzados de bases de datos</p> <p>TGD-1704</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>3</td><td>2</td><td>5</td><td></td></tr> </table>	HC	HP	OC	C	3	2	5										
HC	HP	OC	C																																																																													
2	2	4																																																																														
HC	HP	OC	C																																																																													
2	3	5																																																																														
HC	HP	OC	C																																																																													
3	2	5																																																																														
HC	HP	OC	C																																																																													
2	2	4																																																																														
HC	HP	OC	C																																																																													
0	4	4																																																																														
HC	HP	OC	C																																																																													
2	3	5																																																																														
HC	HP	OC	C																																																																													
2	3	5																																																																														
HC	HP	OC	C																																																																													
3	2	5																																																																														
<p>Matemáticas Discretas</p> <p>AEF-1041</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>3</td><td>2</td><td>5</td><td></td></tr> </table>	HC	HP	OC	C	3	2	5		<p>Probabilidad y Estadística</p> <p>AEF-1052</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>3</td><td>2</td><td>5</td><td></td></tr> </table>	HC	HP	OC	C	3	2	5		<p>Física General</p> <p>SCF-1006</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>3</td><td>2</td><td>5</td><td></td></tr> </table>	HC	HP	OC	C	3	2	5		<p>Principios Eléctricos y Aplicaciones Digitales</p> <p>SCD-1018</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>2</td><td>3</td><td>5</td><td></td></tr> </table>	HC	HP	OC	C	2	3	5		<p>Arquitectura de Computadoras</p> <p>SCD-1003</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>2</td><td>3</td><td>5</td><td></td></tr> </table>	HC	HP	OC	C	2	3	5		<p>Lenguajes de interfaz</p> <p>SCC-1014</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>2</td><td>2</td><td>4</td><td></td></tr> </table>	HC	HP	OC	C	2	2	4		<p>Inteligencia Artificial</p> <p>SCC-1012</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>2</td><td>2</td><td>4</td><td></td></tr> </table>	HC	HP	OC	C	2	2	4		<p>Desarrollos Inteligentes</p> <p>TGD-1705</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>3</td><td>2</td><td>5</td><td></td></tr> </table>	HC	HP	OC	C	3	2	5										
HC	HP	OC	C																																																																													
3	2	5																																																																														
HC	HP	OC	C																																																																													
3	2	5																																																																														
HC	HP	OC	C																																																																													
3	2	5																																																																														
HC	HP	OC	C																																																																													
2	3	5																																																																														
HC	HP	OC	C																																																																													
2	3	5																																																																														
HC	HP	OC	C																																																																													
2	2	4																																																																														
HC	HP	OC	C																																																																													
2	2	4																																																																														
HC	HP	OC	C																																																																													
3	2	5																																																																														
				<p>Cultura Empresarial</p> <p>SCC-1005</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>2</td><td>2</td><td>4</td><td></td></tr> </table>	HC	HP	OC	C	2	2	4		<p>Graficación</p> <p>SCC-1010</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>2</td><td>2</td><td>4</td><td></td></tr> </table>	HC	HP	OC	C	2	2	4		<p>Sistemas Programables</p> <p>SCD-1023</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>2</td><td>3</td><td>5</td><td></td></tr> </table>	HC	HP	OC	C	2	3	5		<p>Programación Lógica y Funcional</p> <p>SCC-1019</p> <table border="1"> <tr><td>HC</td><td>HP</td><td>OC</td><td>C</td></tr> <tr><td>2</td><td>2</td><td>4</td><td></td></tr> </table>	HC	HP	OC	C	2	2	4																																										
HC	HP	OC	C																																																																													
2	2	4																																																																														
HC	HP	OC	C																																																																													
2	2	4																																																																														
HC	HP	OC	C																																																																													
2	3	5																																																																														
HC	HP	OC	C																																																																													
2	2	4																																																																														
<p>Tutorías</p> <table border="1"> <tr><td></td><td></td><td></td><td>C</td></tr> <tr><td></td><td></td><td></td><td>1</td></tr> </table>				C				1	<p>Actividades Extraescolares</p> <table border="1"> <tr><td></td><td></td><td></td><td>C</td></tr> <tr><td></td><td></td><td></td><td>1</td></tr> </table>				C				1		<p>Participación en Editoriales</p> <table border="1"> <tr><td></td><td></td><td></td><td>C</td></tr> <tr><td></td><td></td><td></td><td>1</td></tr> </table>				C				1	<p>Eventos Académicos Nacionales</p> <table border="1"> <tr><td></td><td></td><td></td><td>C</td></tr> <tr><td></td><td></td><td></td><td>1</td></tr> </table>				C				1	<p>Construcción de Prototipos y Desarrollos Tecnológicos</p> <table border="1"> <tr><td></td><td></td><td></td><td>C</td></tr> <tr><td></td><td></td><td></td><td>1</td></tr> </table>				C				1	<p>Servicio Social</p> <table border="1"> <tr><td></td><td></td><td></td><td>C</td></tr> <tr><td></td><td></td><td></td><td>10</td></tr> </table>				C				10	<p>Asignaturas del módulo de especialidad (25 créditos)</p>																									
			C																																																																													
			1																																																																													
			C																																																																													
			1																																																																													
			C																																																																													
			1																																																																													
			C																																																																													
			1																																																																													
			C																																																																													
			1																																																																													
			C																																																																													
			10																																																																													