

## DOUBLE MAJOR IN INFORMATION SYSTEMS ENGINEERING GENERAL

### First Semester

Course Code	Course Name	C	L/P	C	ECTS
ECC102	Programming and Problem Solving	4	2	4	6
MTH101	Mathematics I	4	0	4	6
PHY101	G.Physics I	4	0	4	6
<b>TOTAL</b>		<b>12</b>	<b>2</b>	<b>12</b>	<b>18</b>

### Second Semester

Course Code	Course Name	C	L/P	C	ECTS
ECC108	Object Oriented Programming	3	2	3	6
MTH102	Mathematics II	4	0	4	6
PHY102	G.Physics II	4	0	4	6
<b>TOTAL</b>		<b>11</b>	<b>2</b>	<b>11</b>	<b>18</b>

### Third Semester

Course Code	Course Name	C	L/P	C	ECTS
EAS103	Introduction to Management	3	0	3	5
ECC201	Data Structures and Algorithms	4	2	4	6
ECC001	Digital Logic	4	2	4	6
MTH201	Differential Equations	4	0	4	6
<b>TOTAL</b>		<b>15</b>	<b>4</b>	<b>15</b>	<b>23</b>

### Fourth Semester

Course Code	Course Name	C	L/P	C	ECTS
EAS101	Introduction to Economics	3	0	3	5
ECC202	Database Management Systems	4	2	4	6
ECC006	Web Design and Programming	3	2	3	5
MTH251	Probability and Statistics	3	0	3	5
<b>TOTAL</b>		<b>13</b>	<b>4</b>	<b>13</b>	<b>21</b>

### Fifth Semester

Course Code	Course Name	C	L/P	C	ECTS
ISE301	Geographic Information Systems	4	2	4	6
ECC311	Management Information Systems	4	0	4	6
ECC302	Operating Systems	3	0	3	6
<b>TOTAL</b>		<b>11</b>	<b>2</b>	<b>11</b>	<b>18</b>

### Sixth Semester

Course Code	Course Name	C	L/P	C	ECTS
ECC303	Data Communication and Networking	4	2	4	5
ECC003	Software Engineering	3	0	3	6
<b>TOTAL</b>		<b>7</b>	<b>2</b>	<b>7</b>	<b>11</b>

### Seventh Semester

Course Code	Course Name	C	L/P	C	ECTS
ECC428	eGovernment	3	0	3	5
TE	Technical Elective	3	0	3	5
ECC430	Principles of Information Security	3	0	3	5
<b>TOTAL</b>		<b>9</b>	<b>0</b>	<b>9</b>	<b>15</b>

### Eighth Semester

Course Code	Course Name	C	L/P	C	ECTS
ECC422	Software Testing	4	0	4	6
TE	Technical Elective	3	0	3	5
ECC429	Engineering Ethics	3	0	3	5
<b>TOTAL</b>		<b>10</b>	<b>0</b>	<b>10</b>	<b>16</b>

TOTAL	Contact Hs	Lab/Practice Hs	Credit	ECTS
	88	16	88	140