

## DOUBLE MAJOR IN SOFTWARE ENGINEERING FOR GENERAL

### First Semester

Code	Title	C.	L/P	C	ECTS
ECC102	Prog. And Problem Solving	4	2	4	6
MTH101	Calculus I	4	0	4	6
PHY101	Physics I	4	0	4	6
<b>TOTAL</b>		<b>12</b>	<b>18</b>	<b>12</b>	<b>18</b>

### Second Semester

Code	Title	C.	L/P	C	ECTS
ECC108	Object-Oriented Programming	3	2	3	6
MTH102	Calculus II	4	0	4	6
PHY102	Physics II	4	0	4	6
<b>TOTAL</b>		<b>11</b>	<b>18</b>	<b>11</b>	<b>18</b>

### Third Semester

Code	Title	C.	L/P	C	ECTS
ECC201	Data Structures and Algorithms	4	2	4	6
ECC001	Digital Circuits and Systems	4	2	4	6
ECC427	Introduction to Management	3	0	3	5
MTH251	Probability and Statistics	3	0	3	6
ECC003	Principles of Software Eng	3	0	3	6
<b>TOTAL</b>		<b>17</b>	<b>4</b>	<b>0</b>	<b>29</b>

### Fourth Semester

Code	Title	C.	L/P	C	ECTS
ECC203	Computer Organisation Archit	3	2	3	6
ECC202	Database Systems	4	2	4	6
SWE202	Software Consturction	3	2	3	6
SWE234	Human-Computer Interaction	3	2	3	5
<b>TOTAL</b>		<b>13</b>	<b>23</b>	<b>13</b>	<b>23</b>

### Fifth Semester

Code	Title	C.	L/P	C	ECTS
ECC302	Operating Systems	3	0	3	6
ECC311	Management Info. Systems	4	0	4	6
SWE301	Software Design and Arch.	4	2	4	6
<b>TOTAL</b>		<b>11</b>	<b>2</b>	<b>11</b>	<b>18</b>

### Sixth Semester

Code	Title	C.	L/P	C	ECTS
ECC303	Networking and Data Com.	4	2	4	6
ECC426	Introduction to Economics	3	0	3	5
SWE302	Software Quality Ass. And Test	3	2	3	5
SWE304	Software Requirement Analysis	3	2	3	6
<b>TOTAL</b>		<b>13</b>	<b>6</b>	<b>13</b>	<b>22</b>

**Seventh Semester**

Code	Title	C.	L/P	C	ECTS
ECC430	Principles of Information Sec	3	2	3	5
SWE401	Software Project Management	3	0	3	4
TE	Technical Elective	3	0	3	5
<b>TOTAL</b>		<b>9</b>	<b>2</b>	<b>9</b>	<b>14</b>

**Eighth Semester**

Code	Title	C.	L/P	C	ECTS
ECC429	Information Ethics	3	0	3	6
TE	Technical Elective	3	0	3	5
<b>TOTAL</b>		<b>6</b>	<b>0</b>	<b>6</b>	<b>11</b>

TOTAL	Contact Hs	Lab/Practice Hs	Credit	ECTS
	95	26	95	153