

SOFTWARE ENGINEERING DEPARTMENT
SAMI SHAMOON COLLEGE OF ENGINEERING
BEERSHEVA CAMPUSES
August 2020

M.Sc. DEGREE PROGRAM

Year 1 – Fall Semester

COURSE NAME	NUMBER HOURS PER WEEK	NUMBER OF CREDITS
Random algorithms	3	3
Software quality evaluation	3	3
Elective course	3	3
<u>Totals:</u>	<u>9</u>	<u>12</u>

Year 1 – Spring Semester

COURSE NAME	NUMBER HOURS PER WEEK	NUMBER OF CREDITS
Advanced methodologies in software development	3	3
Advanced management of software projects	3	3
Elective course	3	3
<u>Totals:</u>	<u>9</u>	<u>9</u>

Year 2 – Fall Semester

COURSE NAME	NUMBER HOURS PER WEEK	NUMBER OF CREDITS
Advanced topics in databases	3	3
Elective course	3	3
Elective course	3	3
Final project I	0	3
<u>Totals:</u>	<u>9</u>	<u>12</u>

Year 2 –Spring Semester

COURSE NAME	NUMBER HOURS PER WEEK	NUMBER OF CREDITS
Network security	3	3
Elective course	3	3
Elective course	3	3
Final project II	0	3
<u>Totals:</u>	<u>9</u>	<u>12</u>

List of Elective Courses

COURSE NAME	NUMBER HOURS PER WEEK	NUMBER OF CREDITS
Advanced topics in computability and complexity	3	3
Network reliability	3	3
Special topics in scientific software	3	3
Data warehousing	3	3
Grid computing	3	3
Information visualization	3	3
Advanced methods in information retrieval	3	3
Datamining applications	3	3
Cloud computing	3	3
Advanced topics in modeling and simulation	3	3
Financial computing	3	3
Human-computer interaction (HCI0	3	3
Service computing in software engineering	3	3
Network information systems	3	3