

# Swaraj College of Commerce And Computer Studies

## Master of Science – CA

### Details of Course:

- College offers following subjects:

First Year M. Sc. (Computer Application)		
SEMISTER I		
Sr. No.	Subject Code	Subject Name
1	CS 501 MJ	Advanced Operating System
2	CS 502 MJ	Artificial Intelligence
3	CS 503 MJ	Principles of Programming Languages
4	CS 504 MJP	Lab course on CS-501-MJ
5	CS 505 MJP	Lab course on CS-502-MJ
Elective		
6	CA 510A MJ	Java Programming
7	CA 511 MJP	Lab Course based on CA 510A
OR		
6	CA 512B MJ	Cloud Computing
7	CA 513B MJP	Lab Course based on CA 512B
8	CA 531 RM	Research Methodology

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First Year M. Sc. (Computer Application)		
SEMISTER II		
Sr. No.	Subject Code	Subject Name
1	CA 551 MJ	Web Technologies
2	CA 552 MJ	Introduction to Data Science
3	CA 553 MJ	Computer Networks
4	CA 554 MJP	Lab course based on CA 551
5	CA 555 MJP	Lab course based on CA 552
<b>Elective</b>		
6	CA 560A MJ	Advance Java Programming
7	CA 561A MJP	Lab Course on based on CA 560A MJ
<b>OR</b>		
6	CA 562B MJ	C# .NET
7	CA 563B MJP	Lab Course on based on CA 562B
8	CA 581 OJT/FP I	Industry Internship/Field Project

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Second Year M. Sc. (Computer Application)		
SEMISTER III		
Sr. No.	Subject Code	Subject Name
1	CA 601 MJ	Artificial Intelligence and Machine Learning
2	CA 602 MJ	Web Services
3	CA 603 MJ	Software Engineering
4	CA 604 MJP	Lab Course based on CA 601 MJ
5	CA 605 MJP	Lab Course based on CA 602 MJ
<b>Elective</b>		
6	CA 610A MJ	Mobile Application Development
7	CA 611A MJP	Lab Course based on CA 610A MJ
<b>OR</b>		
6	CA 612B MJ	Software Testing
7	CA 613B MJP	Lab Course based on CA 612B MJ
8	CA 631 RP	Research work

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Second Year M. Sc. (Computer Application)		
SEMISTER IV		
Sr. No.	Subject Code	Subject Name
1	CA 651 MJP	Industrial Training#
Elective		
2	CA 660A MJ	MIS
OR		
2	CA 661A MJ	E-Commerce and Digital Marketing
Elective		
3	CA 662B MJ	ERP
OR		
3	CA 663B MJ	Cyber Security
4	CA 681 RP	Research Work