



Indicative Study Plan for Master Degree in
Computer Science

| Study Year | Semester | Course Number | Course Title | Credit Hours | Thesis | Comprehensive Exam |
|------------|-----------------|---------------|-----------------------------------|--------------|------------|--------------------|
| First Year | First Semester | 11711 | Data Communication and Networking | 3 | Compulsory | Compulsory |
| | | 11740 | Algorithms | 3 | Compulsory | Compulsory |
| | | 11791 | Research Methodology Seminar | 3 | Compulsory | Compulsory |
| | Second Semester | 11731 | Database Management | 3 | Compulsory | Compulsory |
| | | 11712 | Operating Systems | 3 | Elective | Compulsory |
| | | 11753 | Artificial Intelligence | 3 | Compulsory | Compulsory |

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|-------------|-----------------|---------------|-------------------------------|--------------|----------|--------------------|
| Second Year | First Semester | 11723 | Advanced Software Engineering | 3 | Elective | Compulsory |
| | | 11732 | Information Security | 3 | Elective | Elective |
| | | 11722 | Human Computer Interaction | 3 | Elective | Elective |
| | Second Semester | 11751 | Digital Image Processing | 3 | Elective | Compulsory |
| | | 11734 | Data Mining | 3 | Elective | Elective |
| | | 11757 | Natural Language Processing | 3 | Elective | Compulsory |