

Post-Graduate Programs in Software Engineering

Degree Names

Sl.	Full Name	Short Name	Remarks
1	Master of Science in Software Engineering	M.Sc. Engg. (S/W Engg.)	18 Credit courses + 18 Credits Thesis
2	Master of Engineering in Software Engineering	M. Engg. (S/W Engg.)	30 Credit courses + 6 Credits Project
3	Doctor of Philosophy	Ph.D.	Program Name: Software Engineering

Admission Requirements

For Master's Degrees

The admission requirements for the Master's programs are as follows:

4-year B.Sc. in Computer Science and Engineering (CSE) or Electrical and Electronic Engineering (EEE) or Computer Science (CS) or Computer Engineering (CE) or Electrical and Computer Engineering (ECE) or Software Engineering (SE) or equivalent fields.

For Ph.D. Degree

The admission requirement for the Ph.D. program is as follows:

M.Sc. in Software Engineering (SE) or Computer Science and Engineering (CSE) or Electrical and Electronic Engineering (EEE) or Computer Science (CS) or Computer Engineering (CE) or Electrical and Computer Engineering (ECE) or equivalent fields.

Degree Requirements

Program	Courses			Thesis/ Project Credit	Total Credit
	Total Number of Courses (Credit)	Number of Foundation Courses	Minimum Number of Core Courses		
M.Sc. Engg. (S/W Engg.)	6 Courses (18 Credit)	0	4	18 Credit	36 Credit
M. Engg. (S/W Engg.)	10 Courses (30 Credit)	0	6	6 Credit	36 Credit
Ph.D.	3 Courses (9 Credit)	0	2	45 Credit	54 Credit

NOTES:

1. The remaining required courses (i.e., courses other than the Foundation courses and Core courses) can be taken from any PG courses.
2. The thesis/project must be on a topic relevant to the program area.

Courses

Core Courses

1. CSE 6301: Software Project Management
2. CSE 6302: Advanced Software Testing and Quality Assurance
3. CSE 6303: Information System Management
4. CSE 6305: Programming Languages and Systems
5. CSE 6306: Advanced Software Engineering
6. CSE 6307: DevOps Engineering
7. CSE 6308: Empirical Software Engineering
8. CSE 6817: Software and Application Security
9. CSE 6999: Industrial Software Project