

POST GRADUATION REQUIREMENT (2021-22)

Batch: 2021

M. Tech. (Information Technology)



*Department of Information Technology
College of Technology
G.B. Pant University of Agriculture of
Technology Pantnagar-263145 (Uttarakhand)*

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M. Tech. (Information Technology)
(BATCH: 2021)

Core Courses (16 Credits)

Sr. No.	Course Code	Course Title	Cr.(L-T-P)
1.	TIT-510	ADVANCED SOFTWARE ENGINEERING	3(2-0-1)
2.	TIT-511	ADVANCED COMPUTER NETWORKS	3(2-0-1)
3.	TIT-512	CLOUD COMPUTING	2(2-0-0)
4.	TIT-513	TELECOMMUNICATION SWITCHING SYSTEM AND NETWORKS	2(2-0-0)
5.	TIT-520	WIRELESS MOBILE NETWORK	3(2-0-1)
6.	TIT-521	CRYPTOGRAPHY AND NETWORK SECURITY	2(2-0-0)
7.	TIT-600	MASTER'S SEMINAR	1(0-0-1)
TOTAL CREDITS			16

Basic Supporting Courses (5 Credits)

Sr. No.	Course Code	Course Title	Cr.(L-T-P)
1.	TEC/BPM-503	DISCRETE MATHEMATICAL STRUCTURE	3(3-2-0)
2.	TEC-603	DIGITAL COMPUTER TECHNIQUES & DESIGN	2(2-0-0)
TOTAL CREDITS			5

Thesis Research (20 Credits)

Sr. No	Course Code	Course Title	Cr.(L-T-P)
3.	TIT-690	MASTER THESIS RESEARCH (Breakup in 2 Semesters of 10 credits each)	20

Optional Minor courses (9 credits)

List of optional Optional / Minor Courses

S No	Course No.	Course Title	Credit hours
	TIT-601	Special Problem	1(0-0-1)

TIT-610	Network Management and Security	3(2-0-1)
TIT-611	Adhoc & Sensor Networks	3(2-0-1)
TIT-612	Intellectual Property Rights	2(2-0-0)
TIT-613	Advanced Distributed Computing	3(2-0-1)
TIT-614	Advanced Multimedia Technology	3(2-0-1)
TIT-615	Software Reusability	2(2-0-0)
TIT-616	Software Testing	2(1-0-1)
TIT-617	Advanced Database Technology	2(2-0-0)
TIT-618	Web Technologies	2(1-0-1)
TIT-619	Cyber Crime & Information War	2(2-0-0)
TIT-620	Information Storage & Management	2(2-0-0)
TIT-621/TEC-671*	Advanced Communication Theory	2(2-0-0)
TIT-622	Bioinformatics	2(2-0-0)
TIT-623	Information Theory	2(2-0-0)
TIT-624	Advanced Data mining & Warehousing	3(2-0-1)

