

M. Sc. Computer Science (First Year) (w.e.f.. 2018)

Trimester – I

Sr. No.	Course Code	Name of Course	Type	Weekly Workload, Hrs			Credits		Assessment, Marks			
				Theory	Tutorial	Lab	Th	Lab	CCA*	LCA*	End Term Test	Total
1	MIT-WPU-MS1101	Advanced Java	Core	4			3		50		50	100
2	MIT-WPU-MS1102	Advanced Operating Systems	Core	4			3		50		50	100
3	MIT-WPU-MS1103	Introduction to Data Science concepts	Core	4			3		50		50	100
4	MIT-WPU-MS1104	Network Security	Core	3	1		3		50		50	100
5	MIT-WPU-MS1105	Lab on Advanced Java	Core			3		3		50	50	100
6	MIT-WPU-MS1106	Lab on Advanced Operating Systems	Core			3		3		50	50	100
7	WPC1	World famous Philosophers, Saints / Sages and great Kings	SEC	3			2		50		50	100
Total :				18	01	06	14	06	250	100	350	700

Type: Core/SEC

****Assessment Marks are valid only if Attendance criteria are met**

Weekly Teaching Hours: 25

*CCA: Class Continuous Assessment

Total Credits: First Year M.Sc. Computer Science Trimester I: 20

*LCA: Laboratory Continuous Assessment

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M. Sc. Computer Science (First Year) (w.e.f.. 2018)

Trimester – II

Sr. No.	Course Code	Name of Course	Type	Weekly Workload, Hrs			Credits		Assessment Marks **			
				Theory	Tutorial	Lab	Th	Lab	CCA*	LCA*	End Term Test	Total
1	MIT-WPU-MS1201	Design and Analysis of Algorithms	Core	3	1		3		50		50	100
2	MIT-WPU-MS1202	Android Programming	Core	4			3		50		50	100
3	MIT-WPU-MS1203	Artificial Intelligence and Machine Learning	Core	4			3		50		50	100
4	MIT-WPU-MS1204	Lab on Android	Core			3		3		50	50	100
5	MIT-WPU-MS1205	Lab on Machine Learning	Core			3		3		50	50	100
6	MIT-WPU-MS1206	Open Elective I	OEC	3			2		50		50	100
7	MIT-WPU-MS1207	MOOC-I	MOOC				2					
Total :				14	01	06	13	06	200	100	300	600

Type: Core/OEC/MOOC

**Assessment Marks are valid only if Attendance criteria are met

Weekly Teaching Hours: 21

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Total Credits: First Year M.Sc. Computer Science Trimester II: 19

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Trimester – III

Sr. No.	Course Code	Name of Course	Type	Weekly Workload, Hrs			Credits		Assessment Marks**			
				Theory	Tutorial	Lab	Th	Lab	CCA*	LCA*	End Term Test	Total
1	MIT-WPU-MS1301	R Programming	Core	4			3		50		50	100
2	MIT-WPU-MS1302	Dot Net (F#)	Core	4			3		50		50	100
3	MIT-WPU-MS1303	Mobile Communications Concepts	Core	3	1		3		50		50	100
4	MIT-WPU-MS1304	Lab on R	Core			3		3		50	50	100
5	MIT-WPU-MS1305	Lab on Dot Net	Core			3		3		50	50	100
6	MIT-WPU-MS1306	Elective I	Elective	4			3		50		50	100
7	WPC2	Study of Languages, Peace in Communications and Human Dynamics	SEC	3			2		50		50	100
		Total :		18	01	06	14	06	250	100	350	700

Type: Core/Elective

**Assessment Marks are valid only if Attendance criteria are met

Weekly Teaching Hours: 25

*CCA: Class Continuous Assessment

Total Credits: First Year M.Sc. Computer Science Trimester III: 20

*LCA: Laboratory Continuous Assessment

Total First Year M.Sc. Computer Science Credits: 59

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M. Sc. Computer Science (Second Year) (w.e.f.. 2018) Trimester – I

Sr. No.	Course Code	Name of Course	Type	Weekly Workload, Hrs			Credits		Assessment Marks**			
				Theory	Tutorial	Lab	Th	Lab	CCA*	LCA*	End Term Test	Total
1	MIT-WPU-MS2101	AngularJS	Core	4			3		50		50	100
2	MIT-WPU-MS2102	Python	Core	4			3		50		50	100
3	MIT-WPU-MS2103	Data Mining & Data Warehousing	Core	4			3		50		50	100
4	MIT-WPU-MS2104	Lab on AngularJS	Core			3		3		50	50	100
5	MIT-WPU-MS2105	Lab on Python	Core			3		3		50	50	100
6	MIT-WPU-MS2106	Elective II	Elective	4			3		50		50	100
7	MIT-WPU-MS2107	Open Elective II	OEC	3			2		50		50	100
		Total :		19	00	06	14	06	250	100	350	700

Type: Core/ Elective

****Assessment Marks are valid only if Attendance criteria are met**

Weekly Teaching Hours: 25

***CCA: Class Continuous Assessment**

Total Credits: Second Year M.Sc. Computer Science Trimester I: 20

***LCA: Laboratory Continuous Assessment**

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M. Sc. Computer Science (Second Year) (w.e.f.. 2018) **Trimester – II**

Sr. No.	Course Code	Name of Course	Type	Weekly Workload, Hrs			Credits		Assessment Marks**			
				Theory	Tutorial	Lab	Th	Lab	CCA*	LCA*	End Term Test	Total
1	MIT-WPU-MS2201	Full Time Industrial Training-I	Core			40		10		50	50	100
2	MIT-WPU-MS2202	MOOC-II	MOOC				2					
3	WPC4	Philosophy of Science and Religion/Spirituality	SEC	3			2		50		50	100
		Total :		3		40	4	10	50	50	100	200

Type: Core/ MOOC/ SEC

Weekly Teaching Hours: 43

Total Credits: Second Year M.Sc. Computer Science Trimester II: 14

****Assessment Marks are valid only if Attendance criteria are met**

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M. Sc. Computer Science (Second Year) (w.e.f.. 2018)
Trimester – III

Sr. No.	Course Code	Name of Course	Type	Weekly Workload, Hrs			Credits		Assessment Marks**			
				Theory	Tutorial	Lab	Th	Lab	CCA*	LCA*	End Term Test	Total
1	MIT-WPU-MS2301	Full Time Industrial Training-II	Core			40		10		50	50	100
		Total :				40		10		50	50	100

Type: Core

Weekly Teaching Hours: 40

Total Credits: Second Year M.Sc. Computer Science Trimester III: 10

Total Second Year M.Sc. Computer Science Credits: 44

****Assessment Marks are valid only if Attendance criteria are met**

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Elective / MOOC/ OPEN ELECTIVE Courses:

Type	Code	Title	Code	Title	Code	Title
Elective 1	MIT-WPU-MS1306	Software Project Management	MIT-WPU-MS1306	Next Generation Databases	MIT-WPU-MS1306	Soft Computing
Elective II	MIT-WPU-MS2106	Automation Testing-Selenium	MIT-WPU-MS2106	Cloud Computing	MIT-WPU-MS2106	IoT(Internet of Things)
MOOC 1	MIT-WPU- MS1207					
MOOC II	MIT-WPU- MS2202					
Open Elective I	MIT-WPU- MS1206					
Open Elective II	MIT-WPU- MS2107					

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