



**BRAINWARE UNIVERSITY**  
**School of Computational & Applied Sciences**  
**Department of Cyber Science & Technology**  
**Programme: Master of Science in Advanced Networking and Cyber Security 2020**

**Semester-1**

Course Code	Course Name	L - T - P	Credits	Total Marks
MNCS101	Operating System Technologies	4 - 0 - 0	4	100
MNCS191	Operating System Technologies Lab	0 - 0 - 4	2	100
MNCS102	Routing Associate	4 - 0 - 0	4	100
MNCS192	Routing Associate Lab	0 - 0 - 4	2	100
MNCS103	Core Hardware	4 - 0 - 0	4	100
MNCS193	Core Hardware Troubleshooting Lab	0 - 0 - 4	2	100
MNCS104	Computer Network	4 - 0 - 0	4	100
MNCS(HU)191	English Communication Lab	0 - 0 - 4	2	100
	<b>Total</b>		<b>24</b>	<b>800</b>

**Semester-2**

Course Code	Course Name	L - T - P	Credits	Total Marks
MNCS201	Linux System Engineering-I	4- 0 - 0	4	100
MNCS291	Linux System Engineering-I Lab	0-0 - 4	2	100
MNCS202	Windows Server Infrastructure and Management	4- 0 - 0	4	100
MNCS292	Windows Server Infrastructure and Management Lab	0- 0 - 4	2	100
MNCS203	Routing Professional	4- 0 - 0	4	100
MNCS293	Routing Professional Lab	0- 0 - 4	2	100
MNCS(HU)291	Business Communication Lab	0- 0 - 4	2	100
MNCS294	Python Programming Lab	0- 0 - 4	2	100
MNCS281	Minor Project	0- 0 - 4	2	100
	<b>Total</b>		<b>24</b>	<b>900</b>



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**Semester-3**

Course Code	Course Name	L - T - P	Credits	Total Marks
MNCS301	Linux System Engineering-II	4 - 0 - 0	4	100
MNCS391	Linux System Engineering-II Lab	0 - 0 - 4	2	100
MNCS302	A. Mail Server Configuration B. Multimedia Database and Networking	4 - 0 - 0	4	100
MNCS392	A. Mail Server Configuration Lab B. Multimedia Database and Networking Lab	0 - 0 - 4	2	100
MNCS303	Cyber Security-I	4 - 0 - 0	4	100
MNCS393	Cyber Security-I Lab	0 - 0 - 4	2	100
MNCS304	Ethical hacking and Digital Forensic Tools	4 - 0 - 0	4	100
MNCS394	Ethical hacking and Digital Forensic Tools Lab	0 - 0 - 4	2	100
MNCS381	Minor Project	0 - 0 - 6	6	100
<b>Total</b>			<b>30</b>	<b>900</b>

**Semester-4**

Course Code	Course Name	L - T - P	Credits	Total Marks
ENV401	Disaster Management	2 - 0 - 0	2	100
MNCS401	Cyber Security-II	4 - 0 - 0	4	100
MNCS491	Cyber Security-II Lab	0 - 0 - 4	2	100
MNCS402	Switching Professional	4 - 0 - 0	4	100
MNCS492	Switching Professional Lab	0 - 0 - 4	2	100
MNCS403	Digital Security and Forensic Fundamental	4 - 0 - 0	4	100
MNCS404	Research Methodology	4 - 0 - 0	4	100
MNCS481	Major Project	0 - 0 - 6	6	100
MNCS482	Grand Viva		4	100
MNCS483	Seminar/Group Discussion		2	100
<b>Total</b>			<b>34</b>	<b>1000</b>