Revised course structure for BTech students to be admitted in 2021-22-M semester

(A) Computer Science and Engineering

Semester I

Course Name	Course Code	Credits
Electromagnetism	IC102	2
Materials Chemistry I	IC103	2
Linear Algebra I	IC104	3
Linear Algebra II	IC152	3
Probability and Statistics	IC105	4
Quantum Physics	IC151	2
Calculus I	IC153	3
Calculus II	IC202	3
Environmental Studies	IC201	2
Creative and Liberal Arts courses	-	3
Total Credits		**27**

National Service Scheme (NSS)/ National Sports Organization (NSO) activities shall be offered only when the students are available on campus.

Semester II

Course Name	Course Code	Credits
Introduction to Programming	IC100	6
Digital Fabrication	IC101	6
Chemistry Lab	IC106	3
Physics Lab	IC107	3
Applied Digital Logic Design	IC150	6
Professional Communication Lab I – Sketching and Drawing	CA100	1
Professional Communication Lab II – Presentation Skills	CA150	1
Discrete Structure 1	CS101	4
Essential Physical Activity	EP101	1
Total Credits (Excluding EPA)		**30**

(B) **Data Science and Artificial Intelligence**

Semester I

Course Name	Course Code	Credits
Electromagnetism	IC102	2
Materials Chemistry I	IC103	2
Linear Algebra I	IC104	3
Linear Algebra II	IC152	3
Probability and Statistics	IC105	4
Quantum Physics	IC151	2
Calculus I	IC153	3
Calculus II	IC202	3
Environmental Studies	IC201	2
Creative and Liberal Arts courses	-	3
Total Credits		**27**

National Service Scheme (NSS)/ National Sports Organization (NSO) activities shall be offered only when the students are available on campus.

Semester II

Course Name	Course Code	Credits
Introduction to Programming	IC100	6
Digital Fabrication	IC101	6
Chemistry Lab	IC106	3
Physics Lab	IC107	3
Applied Digital Logic Design	IC150	6
Professional Communication Lab I – Sketching and Drawing	CA100	1
Professional Communication Lab II – Presentation Skills	CA150	1
Discrete Structure 1	CS101	4
Essential Physical Activity	EP101	1
Total Credits (Excluding EPA)		**30**

(C) Electrical Engineering

Semester I

Course Name	Course Code	Credits
Electromagnetism	IC102	2
Materials Chemistry I	IC103	2
Linear Algebra I	IC104	3
Linear Algebra II	IC152	3
Probability and Statistics	IC105	4
Quantum Physics	IC151	2
Calculus I	IC153	3
Calculus II	IC202	3
Environmental Studies	IC201	2
Creative and Liberal Arts courses	-	3
Total Credits		**27**

National Service Scheme (NSS)/ National Sports Organization (NSO) activities shall be offered only when the students are available on campus.

Semester II

Course Name	Course Code	Credits
Introduction to Programming	IC100	6
Digital Fabrication	IC101	6
Chemistry Lab	IC106	3
Physics Lab	IC107	3
Applied Digital Logic Design	IC150	6
Professional Communication Lab I – Sketching and Drawing	CA100	1
Professional Communication Lab II – Presentation Skills	CA150	1
EE103 Circuits and Systems	EE103	6
Essential Physical Activity	EP101	1
Total Credits (Excluding EPA)		**32**

(D) **Mechanical Engineering**

Semester I

Course Name	Course Code	Credits
Electromagnetism	IC102	2
Materials Chemistry I	IC103	2
Linear Algebra I	IC104	3
Linear Algebra II	IC152	3
Probability and Statistics	IC105	4
Quantum Physics	IC151	2
Calculus I	IC153	3
Calculus II	IC202	3
Environmental Studies	IC201	2
Creative and Liberal Arts courses	-	3
Total Credits		**27**

National Service Scheme (NSS)/ National Sports Organization (NSO) activities shall be offered only when the students are available on campus.

Semester II

Course Name	Course Code	Credits
Introduction to Programming	IC100	6
Digital Fabrication	IC101	6
Chemistry Lab	IC106	3
Physics Lab	IC107	3
Applied Digital Logic Design	IC150	6
Professional Communication Lab I – Sketching and Drawing	CA100	1
Professional Communication Lab II – Presentation Skills	CA150	1
Thermodynamics	ME111	6
Essential Physical Activity	EP101	1
Total Credits (Excluding EPA)		**32**

The course structure beyond second semester shall be look into later based on the situation on COVID-19 after January 2022.