Approved Generic Elective, Ability Enhancement Compulsory Courses and Skill Enhancement Courses under Choice Based Credit System -B.Tech in Mechanical Engineering

Approved Structure

Considering student choice, resource availability and market demand, the Generic Electives are approved as follows:

(A)

Generic Electives Courses for University as a Whole (2 Credits each)							
Categories	Sem I	Sem II	Sem III	Sem IV	Sem V	Sem VI	Total Courses
Life Skill Courses	Yoga & Meditation	Fine Arts	Innovation & Creativity Skills	Critical Thinking & Problem Solving Skills	Leadership & Team Building Skills	Presentation & Placement Skills	8
	Public Speaking				Presentation & Placement Skills		
Humanities Courses	Indian History and Culture	Introduction to social work	Human Rights	World History Since 1500	World Geography		7
				Blog writing skills			
				Introduction to international Relations			
Engineering specific Electives (For Engineering)	Air Pollution Control	Web Design Fundamentals	App Development	Introduction to Data Science	Introduction to Robotics	Product Development	13
	Python Programing	Introduction to Design Engineering	Computer Aided Design	Digital Manufacturing	Industrial Waste Management	Air Pollution Control	
	Basic of Chemical engineering						
Engineering specific Electives (For Non Engineering)		Fundamental of Artificial Intelligence	3D Printing Technology	Building Material & Technology			4
				Introduction to cloud Computing			
Science Specific Electives For Engineers	Biology for Non-Science Students	Environmental Chemistry	Probability & Statistics	Waste water Treatment	Nanotechnology	Corrosion Science	8
		Fundamental of Quantum Mechanics		Material Characterization			
Science Specific Electives	Nanomaterials & Applications	Research Methodology for science	Analytical Techniques	Quantum Chemistry			6
			Medicinal Chemistry	Basic of Cancer Biology			
Management Specific Electives	Management Principles & Practices	Accounting for Non-Management Students	Project Management	Tourism Management	Marketing Management	**Indian Economy**	11
	MS Office & Applications	Personal Finance	Total Quality Management	Cyber law & Ethics	Event Management		
Total Courses	**10**	**10**	**10**	14	**8**	**5**	**57**

School Of Technology

(B) One the basis of overall structure as mentioned in para (A), the Generic Electives for Mechanical engineering are approved as follows:

General Elective Courses (Any two courses per semester) - 2 Credits each						
Categories	**Sem I**	**Sem II**	**Sem III**	**Sem IV**	**Sem V**	**Sem VI**
Life Skill Courses	Public Speaking	Fine Arts	Innovation & Creativity Skills	Critical Thinking & Problem-Solving Skills	Leadership & Team Building Skills	Presentation & Placement Skills
Humanities Courses	Indian History and Culture	Introduction to Social Work	World Geography	World History 1500	Human Rights	Introduction to International Relations
Minor Discipline Courses						
Engineering Specific Electives	Programming Language - Python	Web Design Fundamental	3D Printing Technology	Introduction of Cloud Computing	Building Materials and Technology	Air Pollution Control
Science Specific Electives	Biology for Engineers	Fundamental of Quantum Mechanics	Probability & Statistics	Waste Water Treatment	Nanotechnology	Corrosion Science
Management Specific Electives	Management Principles & Practices	Accounting for Engineering	Project Management	Marketing Management	Cyber Law and Ethics	Indian Economy

Thus, 5 courses in generic electives will be offered from 1st semester to 6th semester. The students will earn additional 4 credits with total 24 credits during the entire program of study. The students will have a choice of not pursuing the electives or may select one elective as per his/her areas of interest.

The additional 24 credits will be reflected in the marksheet as wells as transcript. Therefore, the credit structure of B. Tech Mechanical Engineering is reflected as follows:

Credits Distribution									
Categories	**Sem I**	**Sem II**	**Sem III**	**Sem IV**	**Sem V**	**Sem VI**	**Sem VII**	**Sem VIII**	**Total Credits**
Core Courses	17	21	23	22	18	16	11	11	
Professional Elective Courses					2	6	3		
Ability Enhancement Compulsory Course	2	2	2	2	2				
Skill Enhancement Compulsory Course	4	2	2	2	2	2			
Total	**23**	**25**	**27**	**26**	**24**	**24**	**14**	**11**	**174**
General **Electives (Any Two)**	4	4	4	4	4	4			
Total	**27**	**29**	**31**	**30**	**28**	**28**	**14**	**11**	**198**

In view of the above, 174 credits will remain compulsory for all the students to obtain, and additional 24 credits will remain under choice based credit system (CBCS) which are approved.

Approved Generic Elective, Ability Enhancement Compulsory Courses and Skill Enhancement Courses under Choice Based Credit System -B.Tech in Chemical Engineering

Approved Structure

Considering student choice, resource availability and market demand, the Generic Electives are approved as follows:

(A)

Generic Electives Courses for University as a Whole (2 Credits each)							
Categories	Sem I	Sem II	Sem III	Sem IV	Sem V	Sem VI	Total Courses
Life Skill Courses	Yoga & Meditation	Fine Arts	Innovation & Creativity Skills	Critical Thinking & Problem Solving Skills	Leadership & Team Building Skills	Presentation & Placement Skills	8
	Public Speaking				Presentation & Placement Skills		
Humanities Courses	Indian History and Culture	Introduction to social work	Human Rights	World History Since 1500	World Geography		7
				Blog writing skills			
				Introduction to international Relations			
Engineering specific Electives (For Engineering)	Air Pollution Control	Web Design Fundamentals	App Development	Introduction to Data Science	Introduction to Robotics	Product Development	13
	Python Programing	Introduction to Design Engineering	Computer Aided Design	Digital Manufacturing	Industrial Waste Management	Air Pollution Control	
	Basic of Chemical engineering						
Engineering specific Electives (For Non Engineering)		Fundamental of Artificial Intelligence	3D Printing Technology	Building Material & Technology			4
				Introduction to cloud Computing			
Science Specific Electives For Engineers	Biology for Non-Science Students	Environmental Chemistry	Probability & Statistics	Waste water Treatment	Nanotechnology	Corrosion Science	8
		Fundamental of Quantum Mechanics		Material Characterization			
Science Specific Electives	Nanomaterials & Applications	Research Methodology for science	Analytical Techniques	Quantum Chemistry			6
			Medicinal Chemistry	Basic of Cancer Biology			
Management Specific Electives	Management Principles & Practices	Accounting for Non-Management Students	Project Management	Tourism Management	Marketing Management	**Indian Economy**	11
	MS Office & Applications	Personal Finance	Total Quality Management	Cyber law & Ethics	Event Management		
Total Courses	**10**	**10**	**10**	14	**8**	**5**	**57**

School Of Technology

(B) One the basis of overall structure as mentioned in para (A), the Generic Electives for Chemical engineering are approved as follows:

General Elective Courses (Any two courses per semester) - 2 Credits each						
Categories	**Sem I**	**Sem II**	**Sem III**	**Sem IV**	**Sem V**	**Sem VI**
Life Skill Courses	Yoga & Meditation	Fine Arts	Innovation & Creativity Skills	Critical Thinking & Problem-Solving Skills	Leadership & Team Building Skills	Presentation & Placement Skills
Humanities Courses	Indian History and Culture	Introduction to Social Work	World Geography	World History Since 1500	Human Rights	Introduction to International Relations
Minor Discipline Courses						
Engineering Specific Electives	Industrial Safety	Web Design Fundamental	Renewable Energy	Introduction to Data Science	Introduction to Robotics	Product Development
Science Specific Electives	Biology for Engineers	Environmental Chemistry	Probability & Statistics	Waste Water Treatment	Nanotechnology	Corrosion Science
Management Specific Electives	Management Principles & Practices	Accounting for Engineering	Project Management	Marketing Management	Tourism Management	Indian Economy

Thus, 5 courses in generic electives will be offered from 1st semester to 6th semester. The students will earn additional 4 credits with total 24 credits during the entire program of study. The students will have a choice of not pursuing the electives or may select one elective as per his/her areas of interest.

The additional 24 credits will be reflected in the marksheet as wells as transcript. Therefore, the credit structure of B. Tech Chemical Engineering is reflected as follows:

Credits Distribution									
Categories	**Sem I**	**Sem II**	**Sem III**	**Sem IV**	**Sem V**	**Sem VI**	**Sem VII**	**Sem VIII**	**Total Credits**
Core Courses	17	21	23	19	19	12	16	10	
Professional Elective Courses					2	6	3		
Ability Enhancement Compulsory Course	2	2	2	2	2				
Skill Enhancement Compulsory Course	4	2	2	2	2	2	2		
Total	**23**	**25**	**27**	**23**	**25**	**20**	**21**	**10**	**174**
General **Electives (Any Two)**	4	4	4	4	4	4			
Total	**27**	**29**	**31**	**27**	**29**	**24**	**21**	**10**	**198**

In view of the above, 174 credits will remain compulsory for all the students to obtain, and additional 24 credits will remain under choice based credit system (CBCS) which are approved.

School Of Technology

Approved Generic Elective, Ability Enhancement Compulsory Courses and Skill Enhancement Courses under Choice Based Credit System - B.Tech in Computer Science & Engineering

Approved Structure

Considering student choice, resource availability and market demand, the Generic Electives are approved as follows:

(A)

Generic Electives Courses for University as a Whole (2 Credits each)							
Categories	Sem I	Sem II	Sem III	Sem IV	Sem V	Sem VI	Total Courses
Life Skill Courses	Yoga & Meditation	Fine Arts	Innovation & Creativity Skills	Critical Thinking & Problem Solving Skills	Leadership & Team Building Skills	Presentation & Placement Skills	8
	Public Speaking				Presentation & Placement Skills		
Humanities Courses	Indian History and Culture	Introduction to social work	Human Rights	World History Since 1500	World Geography		7
				Blog writing skills			
				Introduction to international Relations			
Engineering specific Electives (For Engineering)	Air Pollution Control	Web Design Fundamentals	App Development	Introduction to Data Science	Introduction to Robotics	Product Development	13
	Python Programing	Introduction to Design Engineering	Computer Aided Design	Digital Manufacturing	Industrial Waste Management	Air Pollution Control	
	Basic of Chemical engineering						
Engineering specific Electives (For Non Engineering)		Fundamental of Artificial Intelligence	3D Printing Technology	Building Material & Technology			4
				Introduction to cloud Computing			
Science Specific Electives For Engineers	Biology for Non-Science Students	Environmental Chemistry	Probability & Statistics	Waste water Treatment	Nanotechnology	Corrosion Science	8
		Fundamental of Quantum Mechanics		Material Characterization			
Science Specific Electives	Nanomaterials & Applications	Research Methodology for science	Analytical Techniques	Quantum Chemistry			6
			Medicinal Chemistry	Basic of Cancer Biology			
Management Specific Electives	Management Principles & Practices	Accounting for Non-Management Students	Project Management	Tourism Management	Marketing Management	**Indian Economy**	11
	MS Office & Applications	Personal Finance	Total Quality Management	Cyber law & Ethics	Event Management		
Total Courses	**10**	**10**	**10**	14	**8**	**5**	**57**

(B) One the basis of overall structure as mentioned in para (A), the Generic Electives for Computer Science & Engineering are approved as follows:

General Elective Courses (Any two courses per semester) - 2 Credits each						
Categories	**Sem I**	**Sem II**	**Sem III**	**Sem IV**	**Sem V**	**Sem VI**
Life Skill Courses	Public Speaking	Fine Arts	Innovation & Creativity Skills	Critical Thinking & Problem-Solving Skills	Leadership & Team Building Skills	Presentation & Placement Skills
Humanities Courses	Indian History and Culture	Introduction to Social Work	World Geography	World History Since 1500	Blog Writing Skills	Introduction to International Relations
Minor Discipline Courses						
Engineering Specific Electives	Basicof Chemical Engineering	Introduction to Engineering	Computer Aided Design	Digital Manufacturing	Introduction to Robotics	Introduction to Robotics
Science Specific Electives	Biology for Engineers	Quantum Mechanics	Probability & Statistics	Material Characterization	Nanotechnology	Introduction to Bioinformatics
Management Specific Electives	Management Principles & Practices	Accounting for Engineering	Project Management	Marketing Management	Cyber law & Ethics	Start-Ups-Process & Practice

Thus, 5 courses in generic electives will be offered from 1st semester to 6th semester. The students will earn additional 4 credits with total 24 credits during the entire program of study. The students will have a choice of not pursuing the electives or may select one elective as per his/her areas of interest.

The additional 24 credits will be reflected in the marksheet as wells as transcript. Therefore, the credit structure of B. Tech Computer Science & Engineering is reflected as follows:

Credits Distribution									
Categories	**Sem I**	**Sem II**	**Sem III**	**Sem IV**	**Sem V**	**Sem VI**	**Sem VII**	**Sem VIII**	**Total Credits**
Core Courses	20	20	20	20	18	15	16	10	
Professional Elective Courses			3	3	4	4	4		
Ability Enhancement Compulsory Course	2	2	2	2	2				
Skill Enhancement Compulsory Course	4	2	2	2	2	2	2		
Total	**26**	**24**	**27**	**27**	**24**	**21**	**22**	**10**	**181**
General **Electives (Any Two)**	4	4	4	4	4	4			
Total	**30**	**28**	**31**	**31**	**28**	**25**	**22**	**10**	**205**

In view of the above, 181 credits will remain compulsory for all the students to obtain, and additional 24 credits will remain under choice based credit system (CBCS) which are approved

Approved Generic Elective, Ability Enhancement Compulsory Courses and Enhancement Courses under Choice Based Credit System -B.Sc.(H) Biotechnology

Approved Structure

Considering student choice, resource availability and market demand, the Generic Electives are approved as follows:

(A)

General Elective Courses for University as a Whole (2 Credits each)							
Categories	**Sem I**	**Sem II**	**Sem III**	**Sem IV**	**Sem V**	**Sem VI**	**Total Courses**
Life Skill Courses	Yoga & Meditation	Fine Arts	Innovation & Creativity Skills	Critical Thinking & Problem-Solving Skills	Leadership & Team Building Skills	Presentation & Placement Skills	8
	Public Speaking				Presentation & Placement Skills		
Humanities Courses	Indian History and Culture	Introduction to Social Work	Human Rights	World History Since 1500	World Geography		7
				Blog Writing Skills			
				Introduction to International Relations			
Engineering Specific Electives (For Engineering)	Air Pollution Control	Web Design Fundamentals	App Development	Introduction to Data Science	Introduction to Robotics	Product Development	13
	Python Programming	Introduction to Design Engineering	Computer Aided Design	Digital Manufacturing	Industrial Waste management	Air Pollution Control	
	Basics of Chemical Engineering						
Engineering Specific Electives (for Non Engineering)		Fundamentals of Artificial Intelligence	3D Printing Technology	Building Materials & Technology			4
				Introduction to Cloud Computing			
Science Specific Electives for Engineering	Biology for Non-Science Students	Environmental Chemistry	Probability & Statistics	Waste Water Treatment	Nanotechnology	Corrision Science	8
		Fundamentals of Quantum Mechanics		Material Characterization			
Science Specific Electives for Non Engineering	Nano Materials & Applications	Research Methodology	Analytical Techniques	Quantum Chemistry			6
			Medicinal Chemistry	Basics of Cancer Biology			
Management Specific Electives	Management Principles & Practices	Accounting for Non - Management Students	Project Management	Tourism Management	Marketing Management	Indian Economy	11
	Ms Office Applications	Personal Finance	Total Quality management	Cyber Law & Ethics	Event Management		
Total Courses	10	10	10	14	8	5	57

(B) One the basis of overall structure as mentioned in para (A), the Generic Electives for B.Sc. (H) Biotechnology are approved as follows:

Generic Elective Courses (Any Two Courses per Semester#) – 2 Credits				
Category	**Semester – I**	**Semester – II**	**Semester – III**	**Semester – IV**
Life Skill Courses	Public Speaking	Innovation & Creativity Skills	Critical Thinking & Problem-Solving Skills	Presentation & Placement Skills
Humanities Courses	Indian History and Culture	Introduction to Social Work	Human Rights	Blog Writing Skills
Management Specific Electives	Management Principles and Practices	Accounting for Science	Project Management	Food Joint Management Skills
Engineering Specific Electives	MS Office	Programming Language - Python	Fundamentals of Artificial Intelligence	3D Printing Technology
Science Specific Electives	Nano Materials & Applications	Research Methodology	Medicinal Chemistry	Basics of Cancer Biology

 # In 3rd and 4th Semester only one Generic Elective

Thus, 5 courses in generic electives 2 credits of each will be offered from 1st semester to 4th semester. The students will earn additional 4 credits in 1st and 2nd semester (each) whereas student will earn 2 credits in 3rd and 4th semester (each) with total 12 credits during the entire program of study. The students will have a choice of not pursuing the electives or may select one elective as per his/her areas of interest.

The additional 12 credits will be reflected in the marksheet as wells as transcript. Therefore, the credit structure of B.Sc. (H) Biotechnology is reflected as follows:

Credit Distribution							
Category	Semester I	Semester II	Semester III	Semester IV	Semester V	Semester VI	Total Credits
Core Courses	12	12	18	18	12	12	**108**
Discipline Specific Elective	-	-	-	-	12	12	
Generic Elective (Professional)	6	6	6	6	-	-	**24**
Ability Enhancement Compulsory Courses	2	2	2	2	2	2	**12**
Skills Enhancement Courses	4	2	4	4	2	-	**16**
Total	24	22	30	30	28	26	**160**
Generic Elective	4	4	2*	2*			**12**
	28	**26**	**32**	**32**	**28**	**26**	**172**

**Any one for 3rd and 4th Semester*

In view of the above, 160 credits will remain compulsory for all the students to obtain, B.Sc. (H) Biotechnology Degree, and additional 12 credits will remain under Choice Based Credit System (CBCS) which are approved.

School Of Science

Approved Generic Elective, Ability Enhancement Compulsory Courses and Enhancement Courses under Choice Based Credit System -B.Sc.(H) Biochemistry

Approved Structure

Considering student choice, resource availability and market demand, the Generic Electives are approved as follows.

(A)

General Elective Courses for University as a Whole (2 Credits each)							
Categories	Sem I	Sem II	Sem III	Sem IV	Sem V	Sem VI	Total Courses
Life Skill Courses	Yoga & Meditation	Fine Arts	Innovation & Creativity Skills	Critical Thinking & Problem-Solving Skills	Leadership & Team Building Skills	Presentation & Placement Skills	8
	Public Speaking				Presentation & Placement Skills		
Humanities Courses	Indian History and Culture	Introduction to Social Work	Human Rights	World History Since 1500	World Geography		7
				Blog Writing Skills			
				Introduction to International Relations			
Engineering Specific Electives (For Engineering)	Air Pollution Control	Web Design Fundamentals	App Development	Introduction to Data Science	Introduction to Robotics	Product Development	13
	Python Programming	Introduction to Design Engineering	Computer Aided Design	Digital Manufacturing	Industrial Waste management	Air Pollution Control	
	Basics of Chemical Engineering						
Engineering Specific Electives (for Non Engineering)		Fundamentals of Artificial Intelligence	3D Printing Technology	Building Materials & Technology			4
				Introduction to Cloud Computing			
Science Specific Electives for Engineering	Biology for Non-Science Students	Environmental Chemistry	Probability & Statistics	Waste Water Treatment	Nanotechnology	Corrision Science	8
		Fundamentals of Quantum Mechanics		Material Characterization			
Science Specific Electives for Non Engineering	Nano Materials & Applications	Research Methodology	Analytical Techniques	Quantum Chemistry			6
			Medicinal Chemistry	Basics of Cancer Biology			
Management Specific Electives	Management Principles & Practices	Accounting for Non - Management Students	Project Management	Tourism Management	Marketing Management	Indian Economy	11
	Ms Office Applications	Personal Finance	Total Quality management	Cyber Law & Ethics	Event Management		
Total Courses	10	10	10	14	8	5	57

School Of Science

(B) One the basis of overall structure as mentioned in para (A), the Generic Electives for B.Sc. (H) Biochemistry are approved as follows.

Generic Elective Courses (Any Two Courses per Semester#) – 2 Credits				
Category	**Semester – I**	**Semester – II**	**Semester – III**	**Semester – IV**
Life Skill Courses	Public Speaking	Innovation & Creativity Skills	Critical Thinking & Problem-Solving Skills	Fine Arts
Humanities Courses	Indian History and Culture	Introduction to Social Work	Human Rights	Introduction to Relations
Management Specific Electives	Management Principles and Practices	Accounting for Science	Total Quality Management	Cyber Law and Ethics
Engineering Specific Electives	Programming Language - Python	Fundamentals of Artificial Intelligence	3D Printing Technology	Building Materials & Technology
Science Specific Electives	Nano Materials & Applications	Environmental Chemistry	Analytical Techniques	Quantum Chemistry

 # In 3rd and 4th Semester only one Generic Elective

Thus, 5 courses in generic electives 2 credits of each will be offered from 1st semester to 4th semester. The students will earn additional 4 credits in 1st and 2nd semester (each) whereas student will earn 2 credits in 3rd and 4th semester (each) with total 12 credits during the entire program of study. The students will have a choice of not pursuing the electives or may select one elective as per his/her areas of interest.

The additional 12 credits will be reflected in the marksheet as wells as transcript. Therefore, the credit structure of B.Sc. (H) Chemistry is reflected as follows:

Credit Distribution							
Category	Semester I	Semester II	Semester III	Semester IV	Semester V	Semester VI	Total Credits
Core Courses	12	12	18	18	12	12	**108**
Discipline Specific Elective	-	-	-	-	12	12	
Generic Elective (Professional)	6	6	6	6	-	-	**24**
Ability Enhancement Compulsory Courses	2	2	2	2	2	2	**12**
Skills Enhancement Courses	4	2	4	4	2	-	**16**
Total	24	22	30	30	28	26	**160**
Generic Elective	4	4	2*	2*			**12**
	28	**26**	**32**	**32**	**28**	**26**	**172**

**Any one for 3rd and 4th Semester*

In view of the above, 160 credits will remain compulsory for all the students to obtain, B.Sc. (H) Biochemistry Degree, and additional 12 credits will remain under Choice Based Credit System (CBCS) which are approved.

School Of Management

Approved Generic Elective, Ability Enhancement Compulsory Courses and Enhancement Courses under Choice Based Credit System for Management

Approved Structure

Considering student choice, resource availability and market demand, the Generic Electives are approved as follows:

(A)

General Elective Courses for University as a Whole (2 Credits each)							
Categories	**Sem I**	**Sem II**	**Sem III**	**Sem IV**	**Sem V**	**Sem VI**	**Total Courses**
Life Skill Courses	Yoga & Meditation	Fine Arts	Innovation & Creativity Skills	Critical Thinking & Problem-Solving Skills	Leadership & Team Building Skills	Presentation & Placement Skills	8
	Public Speaking				Presentation & Placement Skills		
Humanities Courses	Indian History and Culture	Introduction to Social Work	Human Rights	World History Since 1500	World Geography		7
				Blog Writing Skills			
				Introduction to International Relations			
Engineering Specific Electives (For Engineering)	Air Pollution Control	Web Design Fundamentals	App Development	Introduction to Data Science	Introduction to Robotics	Product Development	13
	Python Programming	Introduction to Design Engineering	Computer Aided Design	Digital Manufacturing	Industrial Waste management	Air Pollution Control	
	Basics of Chemical Engineering						
Engineering Specific Electives (for Non Engineering)		Fundamentals of Artificial Intelligence	3D Printing Technology	Building Materials & Technology			4
				Introduction to Cloud Computing			
Science Specific Electives for Engineering	Biology for Non-Science Students	Environmental Chemistry	Probability & Statistics	Waste Water Treatment	Nanotechnology	Corrision Science	8
		Fundamentals of Quantum Mechanics		Material Characterization			
Science Specific Electives for Non Engineering	Nano Materials & Applications	Research Methodology	Analytical Techniques	Quantum Chemistry			6
			Medicinal Chemistry	Basics of Cancer Biology			
Management Specific Electives	Management Principles & Practices	Accounting for Non-Management Students	Project Management	Tourism Management	Marketing Management	Indian Economy	11
	Ms Office Applications	Personal Finance	Total Quality management	Cyber Law & Ethics	Event Management		
Total Courses	10	10	10	14	8	5	**57**

(B) One the basis of overall structure as mentioned in para (A), the Generic Electives for management engineering are approved as follows:

General Elective Courses (Any two courses per semester) - 2 Credits each						
Categories	**Sem I**	**Sem II**	**Sem III**	**Sem IV**	**Sem V**	**Sem VI**
Life Skill Courses	Yoga & Meditation	Fine Arts	Critical Thinking & Problem-Solving Skills	Leadership & Team Building Skills	Presentation & Placement Skills	
Humanities Courses	Indian History and Culture	Introduction to Social Work	World Geography	Introduction to International Relations	Human Rights	
					World History 1500	
Minor Discipline Courses						
Engineering Specific Electives	Programming Language - Python	Fundamental of Artificial Intelligence	3D Printing Technology	Introduction of Cloud Computing	Building Materials and Technology	
Management Specific Electives	Project Management	Personal Finance	Cyber Law and Ethics	Tourism Management	Event Management	

Thus, 4 courses in generic electives will be offered from 1st semester to 5th semester. The students will earn additional 4 credits with total 24 credits during the entire program of study. The students will have a choice of not pursuing the electives or may select one elective as per his/her areas of interest.

The additional 24 credits will be reflected in the marksheet as wells as transcript. Therefore, the credit structure of B. Tech Chemical Engineering is reflected as follows:

Credits Distribution							
Categories	Sem I	Sem II	Sem III	Sem IV	Sem V	Sem VI	Total Credits
Foundation Generic	8	4	4	4			
Skills Enhancement Course	4	4					
Foundation Internship	2	2	2	2	2		
Core Courses	12	16	20	20	12	12	
Discipline Professional Elective Courses					12	16	
Total	26	26	26	26	26	26	156
General Electives (Any Two)							
To be Added							

Ability Enhancement							
I Compulsory course	2	2	2	2	2		
II Generic Electives (any two)	4	4	4	4	4		
Total	6	6	6	6	6	30	186

In view of the above, 156 credits will remain compulsory for all the students to obtain, and additional 30 credits will remain under choice based credit system (CBCS) which are approved.