



**DELHI TECHNOLOGICAL UNIVERSITY**  
(Formerly Delhi College of Engineering)  
Shahbad Daulatpur, Main Bawana Road, Delhi-42  
**Academic PG**

F. No. DTU/Acad-PG/Ph.D Notification/7574-77

Dated: 06/08/2024

**Circular**

**Sub: - Scheme for Integrated B.Sc. & M.Sc. program**

The Academic Council, DTU in its 39<sup>th</sup> Meeting held on 19.06.2024, has approved scheme for Integrated B.Sc. & M.Sc. Program. Therefore, all departments are requested to finalize their scheme alongwith codes and syllabus for B.Sc. & M.Sc. integrated Program as per the approved scheme on or before time 23<sup>rd</sup> Aug 2024 and submit the duly approved scheme to PG Branch for information in hard copy and docx version on mail id [academicpg@dtu.ac.in](mailto:academicpg@dtu.ac.in).

The duly approved scheme for Integrated B.Sc. & M.Sc. Program is enclosed herewith for reference please.

*Rinku*  
06/08/2024  
(Prof. Rinku Sharma)  
Dean (Academic-PG)

Copy to:

1. PA to VC for kind information to the Hon'ble Vice Chancellor.
2. PA to Registrar for kind information to the Registrar.
3. All Heads.
4. Guard File.



## First Year (Semester 1)

Teaching Scheme					Contact Hours/ Week			Exam Duration		Relative Weightage %				
S. No.	Subject Code	Course Title	Course Type	Credit	L	T	P	Th	P	CWS	PRS	MTE	ETE	PRE
1	IMSXX 101		DCC 1	4	4/3/3/0	0/1/0/0	0/0/2/8							
2	IMSXX 103		DCC 2	4	4/3/3/0	0/1/0/0	0/0/2/8							
3	IMSXX 105		DCC 3	4	4/3/3/0	0/1/0/0	0/0/2/8							
4	IMSXX 107		GEC 1	4	4/3/3	0/1/0	0/0/2							
5	IAEC		AEC 1	2	2/1/0	0/1/0	0/0/4							
6	ISEC		SEC 1	2	2/1/0	0/1/0	0/0/4							
7	IVAC		VAC 1	2	2/1/0	0/1/0	0/0/4							
		Total		22										

**LTP, Exam duration,  
& Relative weightage  
as per existing DTU  
guidelines**

**XX – PH – Physics  
CH – Chemistry  
BT – Biotech  
etc**

Discipline Specific Core Course (**DCC**), Generic Electives (**GEC**), Ability Enhancement (**AEC**), Skill Enhancement (**SEC**) and Value Addition Courses (**VAC**): Discipline Specific Laboratory may be included in DCC if required



## First Year (Semester 2)

Teaching Scheme					Contact Hours/ Week			Exam Duration		Relative Weightage %				
S. No.	Subject Code	Course Title	Course Type	Credit	L	T	P	Th	P	CWS	PRS	MTE	ETE	PRE
1	IMSXX 102		DCC 4	4	4/3/3/0	0/1/0/0	0/0/2/8							
2	IMSXX 104		DCC 5	4	4/3/3/0	0/1/0/0	0/0/2/8							
3	IMSXX 106		DCC 6	4	4/3/3/0	0/1/0/0	0/0/2/8							
4	IMSXX 108		GEC 2	4	4/3/3	0/1/0	0/0/2							
5	IAEC		AEC 2	2	2/1/0	0/1/0	0/0/4							
6	ISEC		SEC 2	2	2/1/0	0/1/0	0/0/4							
7	IVAC		VAC 2	2	2/1/0	0/1/0	0/0/4							
		Total		22										

**LTP, Exam duration, & Relative weightage as per existing DTU guidelines**

**Exit :** After securing 44 credits - awarded Undergraduate Certificate (NHEQF Level-4.5) in the relevant discipline/subject. This certification is contingent upon achieving a minimum of 4 credits through work-based vocational courses offered during the summer term or through internship/apprenticeship experiences, **in addition to** acquiring 4 credits from skill-based courses undertaken throughout the first and second semesters (**Total Credit for exit: 48**).



## Second Year (Semester 3)

Teaching Scheme					Contact Hours/ Week			Exam Duration		Relative Weightage %				
S. No.	Subject Code	Course Title	Course Type	Credit	L	T	P	Th	P	CWS	PRS	MTE	ETE	PRE
1	IMSXX 201		DCC 7	4	4/3/3/0	0/1/0/0	0/0/2/8							
2	IMSXX 203		DCC 8	4	4/3/3/0	0/1/0/0	0/0/2/8							
3	IMSXX 205		DCC 9	4	4/3/3/0	0/1/0/0	0/0/2/8							
4	IMSXX 207		GEC 3	2	2/1/0	0/1/0	0/0/4							
5	IMSXX 2yy / code of GEC		DEC 1/	4	4/3/3	0/1/0	0/0/2							
			GEC 4											
6	IAEC		AEC 3	2	2/1/0	0/1/0	0/0/4							
7	ISEC		SEC 3	2	2/1/0	0/1/0	0/0/4							
		Total		22										

**LTP, Exam duration, & Relative weightage as per existing DTU guidelines**

Discipline Specific Core Course (DCC), Discipline Specific Elective Course (DEC), Generic Electives (GEC), Ability Enhancement (AEC), Skill Enhancement (SEC) and Value Addition Courses (VAC); **GEC 1-3 is multidisciplinary & not included in the minor track**

**GEC4 to 13 is for minor track; Department may list the subjects for minor track**



## Second Year (Semester 4)

Teaching Scheme					Contact Hours/ Week			Exam Duration		Relative Weightage %				
S. No.	Subject Code	Course Title	Course Type	Credit	L	T	P	Th	P	CWS	PRS	MTE	ETE	PRE
1	IMSXX 202		DCC 10	4	4/3/3/0	0/1/0/0	0/0/2/8							
2	IMSXX 204		DCC 11	4	4/3/3/0	0/1/0/0	0/0/2/8							
3	IMSXX 206		DCC 12	4	4/3/3/0	0/1/0/0	0/0/2/8							
4	IMSXX 2yy / code of GEC		DEC 2/ GEC 5	4	4/3/3	0/1/0	0/0/2							
5	IAEC		AEC 4	2	2/1/0	0/1/0	0/0/4							
6	ISEC		SEC 4	2	2/1/0	0/1/0	0/0/4							
7	IVAC		VAC 3	2	2/1/0	0/1/0	0/0/4							
		Total		22										

**LTP, Exam duration,  
& Relative weightage  
as per existing DTU  
guidelines**

**Exit** : After securing 88 credits - awarded Undergraduate Diploma (NHEQF Level-5.0) in the relevant discipline/subject. This certification is contingent upon achieving a minimum of 4 credits through work-based vocational courses offered during **the first year or second year summer (Total Credit for exit: 92).**



### Third Year (Semester 5)

Teaching Scheme					Contact Hours/ Week			Exam Duration		Relative Weightage %				
S. No.	Subject Code	Course Title	Course Type	Credit	L	T	P	Th	P	CWS	PRS	MTE	ETE	PRE
1	IMSXX 301		DCC 13	4	4/3/3/ 0	0/1/0/ 0	0/0/2/8							
2	IMSXX 303		DCC 14	4	4/3/3/ 0	0/1/0/ 0	0/0/2/8							
3	IMSXX 305		DCC 15	4	4/3/3/ 0	0/1/0/ 0	0/0/2/8							
4	IMSXX 3XX / code of GEC		DEC 3/ GEC 6	4	4/3/3	0/1/0	0/0/2							
5	IMSXX 3XX / code of GEC		DEC 4/ GEC 7	4	2/1/0	0/1/0	0/0/4							
6		Summer intern.		2										
		Total		22										

**LTP, Exam duration, & Relative weightage as per existing DTU guidelines**



## Third Year (Semester 6)

Teaching Scheme					Contact Hours/ Week			Exam Duration		Relative Weightage %		
S. No.	Subject Code	Course Title	Course Type	Credit	L	T	P	Th	P	CWS	PRS	3-Yr UG
1	IMSXX 302		DCC 16	4	4/3/3/0	0/1/0/0	0/0/2/8					DCC – 68/65
2	IMSXX 304		DCC 17	4	4/3/3/0	0/1/0/0	0/0/2/8					Minor/interdis DEC/GEC – 26/26
3	IMSXX 3XX / code of GEC		DEC 5/ GEC 8	4	4/3/3	0/1/0	0/0/2					Multidis GEC – 10/10
4	IMSXX 3XX / code of GEC		DEC 6/ GEC 9	4	4/3/3	0/1/0	0/0/2					AEC – 8/8
5	IMSXX 3XX / code of GEC		DEC 7/ GEC 10	2	2/1/0	0/1/0	0/0/4					SEC – 10/10
6	ISEC		SEC 5	2	2/1/0	0/1/0	0/0/4					VAC – 6/6-8
		Total		20								Internship – 2/2-4
												Project – 0
												130

**LTP, Exam duration, & Relative weightage as per existing DTU guidelines**

**Exit :** After Completing Three Years - Bachelor of (.....) – 130 Cr (NHEQF Level-5.5) Students who want to undertake 3-year UG Programme will be awarded UG degree in the relevant Discipline/ Subject upon securing 130 Credits

**\*Research Methodology** shall be offered in VI as DEC 5 or GEC 8



## Fourth Year (Semester 7)

Teaching Scheme					Contact Hours/ Week			Exam Duration		Relative Weightage %				
S. No.	Subject Code	Course Title	Course Type	Credit	L	T	P	Th	P	CWS	PRS	MTE	ETE	PRE
1	IMSXX 401		DCC 18	4	4/3/3/0	0/1/0/0	0/0/2/8							
2	IMSXX 403		DCC 19	4	4/3/3/0	0/1/0/0	0/0/2/8							
3	IMSXX 405		DCC 20	4	4/3/3/0	0/1/0/0	0/0/2/8							
4	IMSXX 4XX / code of GEC		DEC 8 / GEC 11	2	2/1/0	0/1/0	0/0/4							
5	IMSXX 407	Project - 1		6										
		Total		20										

**LTP, Exam duration,  
& Relative weightage  
as per existing DTU  
guidelines**

**S.No. 5: Project - 1 or Entrepreneurship like startups, business etc.**

The Project 1 or Entrepreneurship will start in VII semester and continued to VIII semester, however, their evaluation will be done in both semesters.





## Fourth Year (Semester 8)

Teaching Scheme					Contact Hours/ Week			Exam Duration			4-yr UG
S. No.	Subject Code	Course Title	Course Type	Credit	L	T	P	Th	P	CW:	
1	IMSXX 402		DCC 21	4	4/3/3/0	0/1/0/0	0/0/2/8				DCC – 88/85
2	IMSXX 404		DCC 22	4	4/3/3/0	0/1/0/0	0/0/2/8				DEC/GEC – 34/34
3	IMSXX 4XX		DEC 9 / GEC 12	4	4/3/3	0/1/0	0/0/2				Multidis GEC – 10/10
4	IMSXX 4XX		DEC 10 / GEC 13	2	2/1/0	0/1/0	0/0/4				AEC – 8/8
5	IMSXX 406	Project - 2		6							SEC – 10/10
		Total		20							VAC – 6/6-8
											Internship – 2/2-4
											Project – 12/12
											170

**S.No. 5: Project 2 or Entrepreneurship like startups, business etc.** The Project – 2 or Entrepreneurship will be in continuation of VII semester and continued to VIII semester, however, their evaluation will be done in both semesters.

**Exit:** After Completing Four Years - Bachelor of (.....) (Honours) with Research/Academic Projects/Entrepreneurship – 170 Cr (NHEQF Level-6.0) will be awarded UG degree (Honours) with Research in the relevant Discipline/ Subject upon securing **170 Credits**



## Fifth Year (Semester 10)

Teaching Scheme					Contact Hours/ Week			Exam Duration			5-yr PG
S. No.	Subject Code	Course Title	Course Type	Credit	L	T	P	Th	P	CWS	
1	IMSXX 502		DCC 26	4	4/3/3/0	0/1/0/0	0/0/2/8				DCC – 112/107
2	IMSXX 504		DCC 27	4	4/3/3/0	0/1/0/0	0/0/2/8				DEC/GEC – 42
3	IMSXX 506		DCC 28	4	4/3/3/0	0/1/0/0	0/0/2/8				Multidis GEC – 10/10
4	IMSXX 5XX		DEC 12	4	4/3/3	0/1/0	0/0/2				AEC – 8/8
5	IMSXX 508		Project - 4	6							SEC – 10/10
			Total	22							VAC – 6/6-8
											Internship – 2/2-4
											Project – 12+12 = 24
											<b>214</b>

**The Project shall continue from last semester however, their evaluation will be done in both semesters.**



## Fifth Year (Semester 9)

Teaching Scheme					Contact Hours/ Week			Exam Duration		Relative Weightage %				
S. No.	Subject Code	Course Title	Course Type	Credit	L	T	P	Th	P	CWS	PRS	MTE	ETE	PRE
1	IMSXX 501		DCC 23	4	4/3/3/0	0/1/0/0	0/0/2/8							
2	IMSXX 503		DCC 24	4	4/3/3/0	0/1/0/0	0/0/2/8							
3	IMSXX 505		DCC 25	4	4/3/3/0	0/1/0/0	0/0/2/8							
4	IMSXX 5XX		DEC 11	4	4/3/3	0/1/0	0/0/2							
5	IMSXX 507	Project - 3		6										
		Total		22										

**LTP, Exam duration,  
& Relative weightage  
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guidelines**

**The Project 3 will start in IX semester and continued to X semester, however, their evaluation will be done in both semesters.**