

Single Subject in Undergraduate Science (UGSS-Sc.)

Programme Structure: It is a Credit Programme. Course Design will be such as decided by the board of studies time to time. CSS.Sc कार्यक्रम में Physical Science विषयों के स्नातक उसी विषय समूह में और Life Science विषयों में स्नातक उसी विषय समूह में यह सुविधा प्राप्त करेंगे। विषय समूह के बाहर किसी अन्य विषय में प्रवेश हेतु प्राप्त आवेदन पत्र स्वतः निरस्त माने जायेंगे। CSS.Sc के प्रवेशार्थियों को स्नातक कक्षा की अंक तालिका संलग्न करना अनिवार्य है

Year	Paper	Credit
First Year	चयनित विषय से पाठ्यक्रम	16
Second Year	चयनित विषय से पाठ्यक्रम	16
	Office Tools and Internet	08
Total Credits		40

1. Botany (वनस्पति विज्ञान)

Year	Course Code	Title of the Course	Credits
प्रथम वर्ष	UGBY-01	Plant Diversity-I	3
	UGBY-02	Plant Diversity-II	3
	UGBY-05	Cell Biology	3
	UGBY-06	Plant Ecology	3
	UGBY-(L)-4	Practical's Based on UGBY-01,02, 05 &06	4
1st Year Credit =			16
द्वितीय वर्ष	UGBY-07	Genetics	3
	UGBY-08	Plant Physiology	3
	UGBY-09	Developmental Biology	4
	UGBY-10	Taxonomy and Evolution	4
	UGBY-(L)-5	Practical's Based on UGBY-07 & 08	2
	UGSSC-13	Office Tools and Internet	8
2nd Year Credit =			24
Total Credits			40

2. Zoology (प्राणि विज्ञान)

Year	Course Code	Title of the Course	Credits
प्रथम वर्ष	UGZY-01	Animal Diversity-I	3
	UGZY-02	Animal Diversity-II	3
	UGZY-05	Cell Biology	3
	UGZY-06	Animal Ecology	3
	UGZY-(L)-4	Practical's Based on UGBY-01,02, 05 &06	4
1st Year Credit =			16
द्वितीय वर्ष	UGZY-07	Genetics	3
	UGZY-08	Animal Physiology	3
	UGZY-09	Developmental Biology	4
	UGZY-10	Taxonomy and Evolution	4
	UGZY-(L)-5	Practical's Based on UGBY-07 & 08	2
	UGSSC-13	Office Tools and Internet	8
2nd Year Credit =			24
Total Credits			40

3. Biochemistry (जैव रसायन)

Year	Course Code	Title of the Course	Credits
प्रथम वर्ष	UGBCH-01	Introduction to Biochemistry	3
	UGBCH-02	Intermediary Metabolism	3
	UGBCH-03	Bio Analytical Techniques	3
	UGBCH-04	Nutritional Biochemistry	3
	UGBCH-(L)-5	Practical's Based on UGBY-01,02, 03 &04	4
1st Year Credit =			16
द्वितीय वर्ष	UGBCH-07	Enzymology	3
	UGBCH-08	Plant Biochemistry	3
	UGBCH-06	Immunology	4
	UGBHC-11	Spectroscopy	4
	UGBCH-(L)-4	Practical's Based on UGBY-07 and 08	2
	UGSSC-13	Office Tools and Internet	8
2nd Year Credit =			24
Total Credits			40

4. Chemistry (रसायन विज्ञान)

Year	Course Code	Title of the Course	Credits
प्रथम वर्ष	UGCHE-01	Atom And Molecules	3
	UGCHE-03	Inorganic Chemistry	3
	UGCHE-04	Physical Chemistry	3
	UGCHE-05	Organic Chemistry	3
	UGCHE-(L)-7	Practical's Based on Inorganic and Organic Chemistry	4
1st Year Credit =			16
द्वितीय वर्ष	UGCHE-10	Spectroscopy	3
	UGCHE-12	Organic Reaction Mechanism	3
	UGCHE-09	Biochemistry	4
	UGHCE-11	Mathematical Methods	4
	UGCHE-(L)-4	Practical's Based on Physical Chemistry	2
	UGSSC-13	Office Tools and Internet	8
2nd Year Credit =			24
Total Credits			40

5. Physics (भौतिक विज्ञान)

Year	Course Code	Title of the Course	Credits
प्रथम वर्ष	UGPHS-01	Elementary Mechanics	3
	UGPHS-03	Oscillation and Waves	3
	UGPHS-04	Electric and Magnetic Phenomena	3
	UGPHS-05	Electric Circuits and Electronics	3
	UGPHS-(L)-4	Practical's Based on 01.03,04 and 05	4
1st Year Credit =			16
द्वितीय वर्ष	UGPHS-06	Thermodynamics & Statistical Mechanics	3
	UGPHS-07	Optics	3
	UGPHS-09	Mathematical Methods in Physics - I	4
	UGPHS-10	Mathematical Methods in Physics - II	4
	UGPHS-(L)-3	Practical's Based on 06 and 07	2
	UGSSC-13	Office Tools and Internet	8
2nd Year Credit =			24
Total Credits			40

6. Mathematics (गणित)

Year	Course Code	Title of the Course	Credits
प्रथम वर्ष	UGMM-01	Calculus	4
	UGMM-04	Elementary Algebra	2
	UGMM-05	Analytical Geometry	2
	UGMM-02	Linear Algebra	4
	UGMM-08	Differential Equations	4
1st Year Credit =			16
द्वितीय वर्ष	UGMM-06	Abstract Algebra	4
	UGMM-09	Real Analysis	4
	UGMM-10	Numerical Analysis	4
	UGMM-12	Linear Programming	4
	UGSSC-13	Office Tools and Internet	8
2nd Year Credit =			24
Total Credits			40

7. Statistics (सांख्यिकी)

Year	Course Code	Title of the Course	Credits
प्रथम वर्ष	UGSTAT-01	Statistical Methods	3
	UGSTAT-02	Probability & Distribution	3
	UGSTAT-03	Correlation, Regression and Statistical Inference	3
	UGSTAT-04	Sampling Theory & Design Of Experiments	3
	UGSTAT-12 (P)	Practical Based On UGSTAT- 01,02,03 & 04	4
1st Year Credit =			16
द्वितीय वर्ष	UGSTAT-06	Applied Statistics	3
	UGSTAT-08	Advance Statistical Inference	3
	UGSTAT-07	Operation Research	4
	UGSTAT-05	Numerical Methods & Basic Computer Knowledge	4
	UGSTAT-11 (P)	Practical Based On UGSTAT- 06 & 08	2
	UGSSC-13	Office Tools and Internet	8
2nd Year Credit =			24
Total Credits			40

8. Computer Science (कम्प्यूटर विज्ञान)

Year	Course Code	Title of the Course	Credits
प्रथम वर्ष	UGCS-01	Computer Fundamentals	3
	UGCS-04	'C' Programming	3
	UGCS-06	Database Management System	3
	UGCS-08	Discrete Mathematics	3
	UGCS-14 (P)	Practical Based on UGCS -04 and 06	4
1st Year Credit =			16
द्वितीय वर्ष	UGCS-09	Computer Network	3
	UGCS-11	C++ and Object Oriented Programming	3
	UGCS-07	Elements of System Analysis and Design	4
	UGCS-03	Introduction to System Software	4
	UGCS-15 (P)	Practical Based on UGCS -11	2
	UGSSC-13	Office Tools and Internet	8
2nd Year Credit =			24
Total Credits			40