

CURRICULUM UNDER FOUR YEAR UNDERGRADUATE PROGRAMME

As per NEP, 2020



ARYA VIDYAPEETH COLLEGE (AUTONOMOUS)

ARYA NAGAR, GUWAHATI – 781016

Curriculum for four years under graduate course (UG) **as per NEP, 2020**

The undergraduate degree (UG) programme in the “Four Year Under Graduate Programme” (FYUGP) is a Choice Based Credit System under Semester Scheme. The candidate has an option to exit after TWO, FOUR and SIX semesters of the programme (at the end of each academic year) and shall be awarded Certificate, Diploma, and Undergraduate degree with Major respectively.

Two consecutive (one odd and one even) semesters will make up an academic year. An UG course shall be of eight semesters covering four Calendar Years (Academic Sessions – July to June). The duration of the Odd Semesters (First, Third, Fifth and Seventh) shall be July - December, and that of Even Semesters (Second, Fourth, Sixth and Eight) shall be January - June .

Each student must take admission in four consecutive academic sessions starting with the first semester. Students who do not enrol in the second academic session will not be eligible to take admission in the third academic session and fourth academic season. Similarly, a student who do not enrol in the third academic session will not be eligible to take admission in the fourth academic session

The programme permits horizontal mobility in course selections for the students. They may pursue the three years or six semester programme within 5 years and four years or eight semester programme within 7 years. The programme allows the students to re-enter the course within a time of 3 years.

The salient features of the under graduate programme offered are:

- The college shall offer four-year undergraduate course curriculum with single major under NEP, 2020 from the academic session 2023 -24 .
- The “Credit distribution matrix under FYUGP (single major)”of the college has been approved by the Academic Council vide resolution no: AC – 01/2023/03(a) dated: 31 – 03 – 2023.
- The College shall offer barrier less subject pool. The subject pools, course code and subject code has been placed in the Academic Council which has been approved vide resolution no: AC – 01/2023/03(b) dated: 31 – 03 – 2023.
- All the departments of the college have organized BoS for approval of the syllabus of various course components (Core, Minor, AEC, SEC, VAC/FC and MDC/IDC) for first two semester.
- From 3rd Semester onwards the college shall offer courses from MOOCs.

- The “Ancient Indian Studies” is a Value Added Course under the category Indian Knowledge System developed by the Dept. of Sanskrit of the college.

Syllabus of Ancient Indian Studies:

First Semester: Vedic Literature, Puranas, Gita (Controlling of mind and Self Management), Ramayan, Mahabharat, Arthasastra and Nitisastra, Dharmasastra

Second Semester: Ayurveda: Basic Principles of Indian Medicine System, Introduction to Indian Philosophy, Natyasastra: Acting and Script Writing, Environmental thoughts in Ancient India, Structure of Society and Values of Life, Indian Polity: Origin and Development

Table 1: Types of Undergraduate Programme under FYUGP offered by the college

Name	Total credits	Duration
Under - Graduate certificate programme in science/ social science/humanities or commerce	40 (additional 4 credits has to earn in internship if the student exits after one year)	1 year
Under - Graduate diploma programme in science/ social science/humanities or commerce	80 (additional 4 credits has to earn in internship if the student exits after two years)	2 years
Bachelor Degree programme in science/ social science/humanities or commerce with Major	120	3 years
Bachelor Degrees programme in science/ social science/humanities or commerce with Honours/Honours with Research	160	4 years

Fig 1: The course components of Four Year Undergraduate Programme offered by Arya Vidyapeeth College (Autonomous)

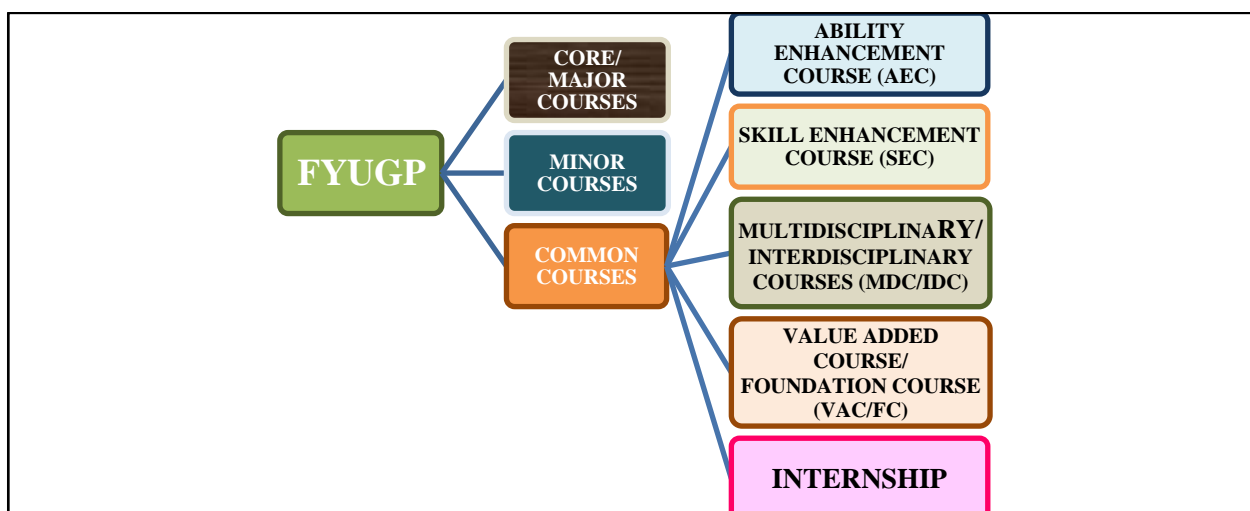


Table 2: Credit distribution for each course component

Credit distribution matrix under FYUGP (single major)									
Year	Semester	Core	Minor	SEC	AEC	VAC/FC	MDC/ IDC	Internship	Total
1	1st	4	4	3	2	4	3		20
	2nd	4	4	3	2	4	3		20
Exit with “UG Certificate” (40 credits and internship of 4 credits)									
2	3rd	8	4	3	2		3		20
	4th	12	4		2			2	20
Exit with “UG diploma” (80 credits and internship of 4 credits)									
3	5th	16	4						20
	6th	16	4						20
Total		60	24	9	8	8	9	2	120
Exit with “Regular Bachelor Degree with major” (120 credits)									
4	7th	16	4						20
	8th	4 + 12(Research /3 Core papers in lieu of research)	4						20
Total		80 + 12	32	9	8	8	9	2	160
Exit with “Bachelor Degree with Honours/research” (160 credits)									

Table 3(a): Semester wise and component wise distribution of no. of courses and course codes for “UG Certificate”.

Yr	Semester	Curricular Components	Course	Course Code	No of Courses	Credit per Course	Total Credits	
1	1 st	Core	Core -1	CE-1114	1	4 (Theory:3 + Practical/Tutorial: 1)	4	
		Minor	Minor -1	MN-1114	1	4 (Theory:3 + Practical/Tutorial: 1)	4	
		Skill Enhancement Course	SEC -1	SE-1113	1	3 (Theory:2 + Practical/Tutorial: 1)	3	
		Ability Enhancement Course	English/MIL - 1 (Language)	AE-1112	1	2	2	
		Value added Course	VAC – 1 (Ancient Indian Studies)	VL-1112	2	2	4	
			VAC – 2 (EVS)					
		Multidisciplinary / Interdisciplinary	MDC/IDC - 1	MD/ID-1113	1	3	3	
	Total credits earned							20
	2 nd	Core	Core -2	CE-2114	1	4 (Theory:3 + Practical/Tutorial: 1)	4	
		Minor	Minor -2	MN-2114	1	4 (Theory:3 + Practical/Tutorial: 1)	4	
		Skill Enhancement Course	SEC -2	SE-2113	1	3 (Theory:2 + Practical/Tutorial: 1)	3	
		Ability Enhancement Course	English/MIL - 1 (Communication)	AE-2112	1	2	2	
		Value added Course	VAC – 3(Ancient Indian Studies)	VL-2112	2	2	4	
			VAC – 4 (EVS)					
Multidisciplinary or Interdisciplinary		MDC/IDC - 2	MD/ID-2113	1	3	3		
Total credits earned							20	

Exit with “UG Certificate” upon the successful completion of the First Year (Two Semesters) and with 40 Credit Points together with an internship of 4 credits

Table 3(b): Semester wise and component wise distribution of no. of courses and course codes for “UG Diploma”.

Year	Semester	Curricular Components	Course	Course Code	No of Courses	Credit per Course	Total Credits	
2	3 rd	Core	Core -3	CE-3214	2	4 (Theory:3 + Practical/Tutorial: 1)	8	
			Core -4	CE-3224				
		Minor	Minor -3	MN-3214	1	4 (Theory:3 + Practical/Tutorial: 1)	4	
		Skill Enhancement Course	SEC - 3	SE-3213	1	3 (Theory:2 + Practical/Tutorial: 1)	3	
		Ability Enhancement Course	English/MIL - 2 (Language)	AE-3212	1	2	2	
		Multidisciplinary or Interdisciplinary	MDC/IDC - 3	MD/ID-3213	1	3	3	
		Total credits earned						
	4 th	Core	Core -5	CE 4214	3	4 (Theory:3 + Practical/Tutorial: 1)	12	
			Core -6	CE 4224				
			Core -7	CE 4234				
		Minor	Minor -4	MN 4214	1	4 (Theory:3 + Practical/Tutorial: 1)	4	
		Ability Enhancement Course	English/MIL - 2 (Communication)	AE 4212	1	2	2	
		Internship	Internship	IN 4212	1	2	2	
Total credits earned							20	

Exit with “UG Diploma” upon the successful completion of the Second Year (Four Semesters) and with 80 Credit Points together with an internship of 4 credits

Table 3(c): Semester wise and component wise distribution of no. of courses and course codes for “ Bachelor Degree with major”.

Yr	Semester	Curricular Components	Course	Course Code	No of Courses	Credit per Course	Total Credits	
3	5 th	Core	Core - 8	CE-5314	4	4 (Theory:3 + Practical/Tutorial: 1)	16	
			Core - 9	CE-5324				
			Core - 10	CE-5334				
			Core - 11	CE-5344				
		Minor	Minor -5	MN-5214	1	4 (Theory:3 + Practical/Tutorial: 1)	4	
	Total credits earned							20
	6 th	Core	Core -12	CE-6314	4	4 (Theory:3 + Practical/Tutorial: 1)	16	
			Core - 13	CE-6324				
			Core - 14	CE 6334				
			Core - 15	CE-6344				
Minor		Minor -6	MN-6214	1	4 (Theory:3 + Practical/Tutorial: 1)	4		
Total credits earned							20	

Exit with “Regular Bachelor Degree with major” upon the successful completion of the Third Year (Six Semesters) and with 120 Credit Points

Table 3(d): Semester wise and component wise distribution of no. of courses and course codes for “Bachelor Degrees with Honours”.

Yr	Semester	Curricular Components	Course	Course Code	No of Courses	Credit per Course	Total Credits	
4	7 th	Core	Core - 16	CE-7414	4	4 (Theory:3 + Practical/Tutorial: 1)	16	
			Core - 17	CE-7424				
			Core - 18	CE-7434				
			Core - 19	CE-7444				
		Minor	Minor -7	MN-7314	1	4 (Theory:3 + Practical/Tutorial: 1)	4	
		Total credits earned						20
		8 th	Core	Core - 20	CE-8414	4	4 (Theory:3 + Practical/Tutorial: 1)	16
	Core - 21			CE-8424				
	Core - 22			CE-8434				
	Core - 23			CE-8444				
	Minor		Minor - 8	MN-8314	1	4 (Theory:3 + Practical/Tutorial: 1)	4	
	Total credits earned						20	

Exit with “Bachelor Degrees with Honours” upon the successful completion of the Fourth Year (Eight Semesters) and with 160 Credit Points

Table 3(e): Semester wise and component wise distribution of no. of courses and course codes for “Bachelor Degrees with Research”

Yr	Semester	Curricular Components	Course	Course Code	No of Courses	Credit per Course	Total Credits	
4	7 th	Core	Core - 16	CE-7414	4	4 (Theory:3 + Practical/Tutorial: 1)	16	
			Core - 17	CE-7424				
			Core - 18	CE-7434				
			Core - 19	CE-7444				
		Minor	Minor -7	MN-7314	1	4 (Theory:3 + Practical/Tutorial: 1)	4	
	Total credits earned							20
	8 th	Core	Core - 20	CE-8414	4	4 (Theory:3 + Practical/Tutorial: 1)	4	
			Research/Dissertation		1	12	12	
		Minor	Minor - 8	MN-8314	1	4 (Theory:3 + Practical/Tutorial: 1)	4	
		Total						

Exit with “Bachelor Degrees with Honours/research” upon the successful completion of the Fourth Year (Eight Semesters) and with 160 Credit Points

Abbreviation of Course Components:

CE (Core), MN (Minor), SE(Skill Enhancement Course), AE (Ability Enhancement Course), VL (Value added Course), ID (Interdisciplinary Course), IN (Internship)

Course code: First two letters is the abbreviation of course component

First digit implies semester number

Second digit implies course level(as shown in table 4)

Third digit implies course number

Fourth digit implies credit points per course.

Digit	Course Level
1	100 - 199
2	200 - 299
3	300 - 399
4	400 - 499

SUBJECT CODE:

Subject	Code	Subject	Code
Accountancy	AC	Geography	GG
Anthropology	AN	Geology	GL
Assamese	AM	Hindi	HN
Bengali	BN	History	HS
Botany	BT	Management	MG
Chemistry	CH	Mathematics	MT
Commerce	CM	Philosophy	PH
Economics	EC	Physics	PY
Education	ED	Political Science	PO
English	EN	Sanskrit	SN
Environmental Studies	EV	Statistics	ST
Finance	FI	Zoology	ZL

Paper code pattern:

The pattern of paper code shall be a combination of Subject code and Course code as given below:

AA-BB-XYZC

AA: Subject Code

BB-XYZC: Course Code

For example:

- The paper code of History minor in the first semester will be: HS-MN-1114
- The paper code of History minor in the second semester will be: HS-MN-2114
- The paper code of History core in the third semester will be: HS-CE-3214 and HS-CE-3224
- The paper code of Value added Course framed by Sanskrit Department in the first semester will be: SN-VL-1112

Eligibility for FYUGP:

A student who have completed 10+2 level examination from any institutions in India or abroad is eligible for the admission to the FYUGP.

Curricular components of FYUGP:

Core/Major and Minor Courses:

The major/core would provide the opportunity for a student to pursue in-depth study of a particular subject or discipline. These courses shall be chosen from a pool of subjects. These subject pools are from the disciplines of Natural Science, Social Science/Humanities and Commerce. Students will have the option to choose courses from disciplinary/interdisciplinary minors. The minor courses shall also be chosen from a pool of subjects. These courses are offered in all the eight semesters

Rules for Selection of Core/Major and Minor Subjects

1. The students shall choose ***two subjects*** from ***any one*** of the pool of subjects shown above out of which one subject shall be core/major subject and the other shall be minor subject.
2. A candidate opting for Physics/Statistics/Chemistry as a core subject may also opt for Mathematics as a minor subject
3. A candidate opting for Botany/Zoology as a core subject may also opt for Chemistry/Zoology/Botany as a minor subject
4. Management can only be a Minor subject for students belonging to Science and Humanities/Social Science Stream.
5. Economics and Statistics can only be a Minor subject for students of Commerce Stream

Table 5: Subject Pools for different Core/ Major and Minor course components

Science Stream		
Pool 1	Pool 2	Pool 3
Physics	Botany	Geology
Chemistry	Zoology	Geography
Mathematics	Chemistry	Statistics
Statistics	Anthropology	Physics
Economics	Management(only minor subject)	Anthropology
Management(only minor subject)		Management(only minor subject)

Arts/Humanities/Social Science Stream		
Pool 1	Pool 2	Pool 3
Anthropology	Economics	Geography
Education	Mathematics	Philosophy
History	Statistics	Sanskrit
Assamese	Political Science	Hindi
English	English	History
Political Science	Bengali	Economics
Management(only minor subject)	Education	Statistics
	Management(only minor subject)	Management(only minor subject)

Commerce Stream
Pool 1
Management
Accountancy
Finance
Statistics(only minor subject)
Economics(only minor subject)

Table 6: Pre-requisites for subject selection of core/major

Core/Major	Pre-requisites (Subjects required to be passed in class 12/ qualifying examination)
Physics	Physics and Mathematics
Chemistry	Chemistry and Mathematics
Botany	Biology
Zoology	Biology
Statistics	Statistics or Mathematics
Geology	Any two subjects belonging to science stream

Change of Core/Major and Minor Subjects:

- a. If a student desires to change his core (major) subject, he may be allowed to do so in 3rd semester only subject to availability of the seats and condition lay down by the concerned department.
- b. The change of minor subject is allowed in 3rd, 5th and 7th semester.

Common Courses:

There are five common course components:

1. **Skill Enhancement Courses: (SEC)**

- These courses are offered in the first three semesters.
- At the time of admission to the 1st semester the students shall choose two courses. One course from the subject pool of first semester and the other from the subject pool of the second semester
- At the time of admission to the second year, the students shall choose one course from the subject pool of the third semester.

The skill enhancement courses offered by the different departments are given below:

Table 7: Skill Enhancement courses

1 st Semester	2 nd Semester	3 rd Semester
Tourism Anthropology -1	Tourism Anthropology -2	Public Health and Epidemiology
Basic Analytical Chemistry -1	Floriculture and Interior Decoration with Indoor Plants	Bio-informatics
Gardening	Basic Analytical Chemistry -2	Pharmaceutical Chemistry
Environmental Geography	Tourism Geography	Cartographic Technique
Surveying and Map Making	Basic Field Training	Structural Geology
Computer Algebra -1	HTML	LATEX
Statistical Analysis using MS EXCEL	Statistical Analysis using SPSS	R
Basic Computer Knowledge	Programming skills with Python	Research and Technical Writing
Apiculture	Ornamental Fish and Fisheries	Freshwater pearl culture
Translation (Hindi) -1	Translation (Hindi) -2	Social Media and Blog Writing
অসমীয়া খনুৱা খাদ্য আৰু সাহিত্য	প্ৰায়োগিক অসমীয়া	Research Methods in Social Science
Computational Economics	Data Analysis	আবৃত্তি কলা
Public Speaking	Writing Biodata and Facing an Interview	Management Philosophy
Personality Development	Philosophical Counselling	Computer Application in Business
E- Commerce	Entrepreneurship Plan and Development	Fairs and festivals of N – E India
Historical Tourism in North East India	Ancient Remains and Important Tourist Places of N-E India	Translation (Bangla)
প্ৰতিবেদন লিখন এবং চলচ্চিত্ৰ সমালোচনা	Proof Reading (Bangla)	
Parliamentary Procedures and Practices	Citizen and Rights	

2. Ability Enhancement Course: (AEC)

- These courses are offered in the first four semesters.
- At the time of admission the student has to choose one subject from the following:
 - English
 - Assamese
 - Hindi
 - Bengali

3. Multidisciplinary/Interdisciplinary Courses: (MDC/IDC):

- These courses are offered in the first three semesters.
- Students need to choose Multidisciplinary/Interdisciplinary Courses from the stream other than the stream which he/she has studied in class 12.
- At the time of admission to the 1st semester the students shall choose two courses. One course from the subject pool of first semester and the other from the subject pool of the second semester
- In the second year, the students may choose one course from MOOCs subject to the approval from the competent college authority.

Table 8: Multidisciplinary/Interdisciplinary Courses

For students who studied in science stream in class 12	
1 st Semester	2 nd Semester
Introduction to Education	Introduction to Psychology
Introduction to Gender Studies	Contemporary issues in Gender Studies
Myth and Folklore-I	Myth and Folklore-II
Introduction to Philosophy	Epistemology, Metaphysics and Religion
Introduction to Political Science	Indian Constitution
আধুনিক বাংলা কবিতা, গল্প ও নাটক পাঠ	বাঙালি জাতির ইতিহাস, সামাজিক ও সাংস্কৃতিক পরিচয়
অসমৰ প্ৰাচীন লেখন কলা	সাহিত্য আৰু পৰিবেশ
Basics of Commerce	Financial Planning
हिंदी सिनेमा और साहित्य	লোক সাহিত্য
An Outline of Ancient Indian History	An Outline of Medieval Indian History

For students who studied in arts stream in class 12

1st Semester	2nd Semester
Mathematical Aptitude	Sets And Numbers
Plant Biodiversity	Basics of Anthropology - II
Basics of Anthropology - I	Physics for All - Part 2
Physics for All - Part 1	Plants and Human Welfare
Environmental Geology	Disaster Management
Outlines of Zoology	Human Health and Diseases
Basic Statistics	Applied Statistics
Basics of Commerce	Financial Planning
Introduction To Geography	Geography of India
Chemistry in Practical Life- I	Chemistry in Practical Life-II

For students who studied in commerce stream in class 12

1st Semester	2nd Semester
Introduction to Education	Introduction to Psychology
Mathematical Aptitude	Sets And Numbers
Introduction to Gender Studies	Contemporary issues in Gender Studies
Plant Biodiversity	Basics of Anthropology - II
Basics of Anthropology - I	Myth and Folklore-II
Myth and Folklore-I	Physics for All - Part 2
Physics for All - Part 1	Plants and Human Welfare
Introduction to Philosophy	Epistemology, Metaphysics and Religion
Introduction to Political Science	Indian Constitution
Environmental Geology	Disaster Management
Outlines of Zoology	Human Health and Diseases
আধুনিক বাংলা কবিতা, গল্প ও নাটক পাঠ	বাঙালি জাতির ইতিহাস, সামাজিক ও সাংস্কৃতিক পরিচয়
Basic Statistics	Applied Statistics
অসমৰ প্ৰাচীন লেখন কলা	সাহিত্য আৰু পৰিবেশ
Introduction To Geography	Geography of India
Chemistry in Practical Life-I	Chemistry in Practical Life-II
हिंदी सिनेमा और साहित्य	लोक साहित्य
An Outline of Ancient Indian History	An Outline of Medieval Indian History

4. Value Added Course/Foundation Course:

Following courses are compulsory and are offered in the first two semesters

Semester 1: Ancient Indian Studies, EVS.

Semester 2: Ancient Indian Studies, EVS.

5. Internship:

The students shall have to complete an internship in the summer term after the end of second year (4th semester) compulsorily. If the student fails to submit the certificate of completion of the internship programme, during his/her FYUGP, he/she shall not be awarded the degree.

Sd/-

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