

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, Natyashastra: 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)

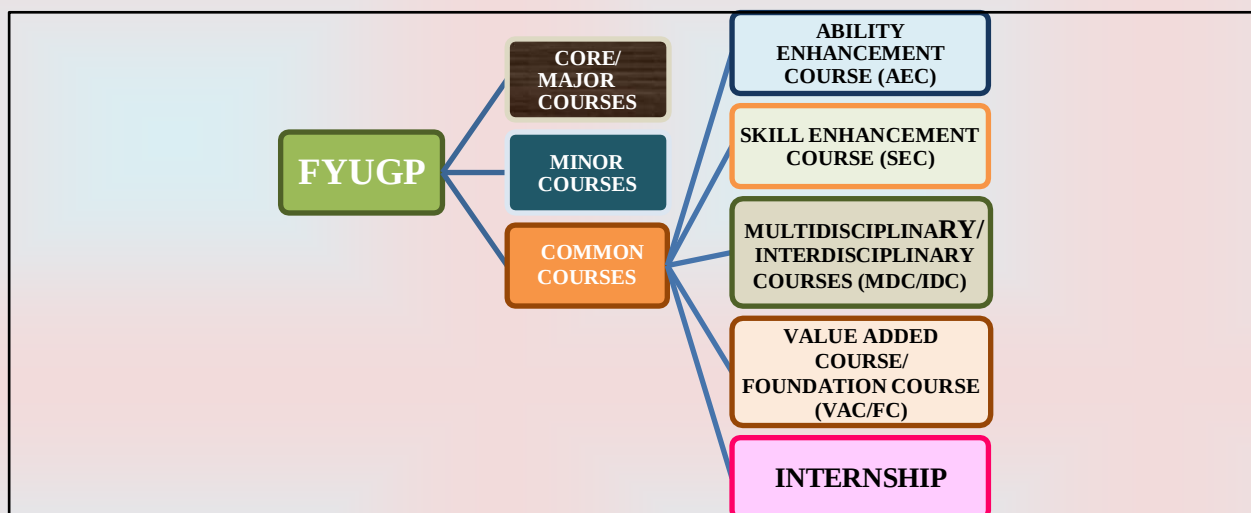


Table 2: Credit distribution for each course component

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

Yr	Semester	Curricular Components	Course	Course Code	No of Courses	Credit per Course	Total Credit
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					20
	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”.

		Curricular Components	Course	Course Code	No of Courses	Credit per Course	Total Credits
		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
		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.

Table 4	
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. 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** 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. Statistics and Hindi can only be a Minor subject for students of Arts Stream

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

Science	Arts	Commerce
Anthropology	Anthropology	Accountancy
Botany	Assamese	Finance
Chemistry	Bengali	Management
Economics	Economics	*****
Geography	Education	*****
Geology	English	*****
Mathematics	Geography	*****
Physics	Geology	*****
Statistics	History	*****
Zoology	Philosophy	*****
*****	Political Science	*****
*****	Sanskrit	*****

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:

- 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 conditions laid down by the concerned department.
- 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

DEPARTMENT	1 st Semester	2 nd Semester	3 rd Semester
Anthropology	Tourism Anthropology -1	Tourism Anthropology -2	Serological Studies In Anthropology
Botany	Gardening	Floriculture and Interior Decoration with Indoor Plants	Value added Horticultural Product and Nursery Development
Chemistry	Basic Analytical Chemistry -1	Basic Analytical Chemistry -2	Analytical Bio-chemistry
Geography	Environmental Geography	Geography of Tourism	Basics of Thematic Cartography
Geology	Surveying and Map Making	Basic Field Training	Geological Mapping
Mathematics	Computer Algebra	LATEX	C-PROGRAMMING
Statistics	Statistical Analysis using MS EXCEL	Statistical Analysis using SPSS	Statistical Analysis Using R
Physics	Basic Computer Knowledge	Programming skills with Python	Computer Algebra System and Scientific Word Processing
Zoology	Apiculture	Ornamental Fish and Fisheries	Conservation Biology and Disaster Management
Assamese	অসমীয়া থলুৱা খাদ্য আৰু সাহিত্য	প্ৰায়োগিক অসমীয়া	অনুবাদ আৰু সম্পাদনা
Economics	Computational Economics	Data Analysis	Research Methodology
Education	Public Speaking	Writing Biodata and Facing Interview	Community Engagement and Extension Activities
Philosophy	Personality Development	Philosophical Counselling	Environmental Ethics
Commerce	E- Commerce	Communication Skill For Managers	E-filing of Returns
History	Historical Tourism in North East India - I	Historical Tourism in North East India-II	Aspects of Modern Tourism
Bengali	পাল্লীপি প্ৰস্তুতি ও ডিটিপি শিক্ষা	প্ৰকৃষ্ সংশোধন	অনুবাদ ও গণজ্ঞাপন
Hindi	अनुवाद सिद्धांत और प्रविधि	मीडिया लेखन	पटकथा लेखन
Political Science	Parliamentary Procedures and Practices	Citizen and Rights	Youth and Nation-building

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 subjects other than the core and minor subject.
- 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 or from the subject pool of third semester.

Table 8: Multidisciplinary/Interdisciplinary Courses

Department	1 st Semester	2 nd Semester	3 rd Semester
Anthropology	Basics of Anthropology - I	Basics of Anthropology - II	Applied Anthropology
Assamese	অসমৰ প্ৰাচীন লেখন কলা	সাহিত্য আৰু পৰিৱেশ	অসমীয়া কল্পবিজ্ঞান সাহিত্য
Bengali	উনিশ শতকৰ বাংলা সাহিত্য	বিশ শতকৰ বাংলা কবিতা ও নাটক পাঠ	বিশ শতকৰ বাংলা গদ্যসাহিত্য পাঠ
Botany	Plant Biodiversity	Plants and Human Welfare	Nursery and Gardening
Chemistry	Chemistry in Practical Life- I	Chemistry in Practical Life-II	Basic Concepts in Chemistry
Commerce	Basics Of Commerce	Financial Planning	Personal Finance
Economics	Introduction to Gender Studies	Contemporary issues in Gender Studies	Development - Gender Perspectives
Education	Introduction to Education	Introduction to Psychology	Educational Sociology
English	Myth and Folklore-I	Myth and Folklore-II	Myth and Folklore-III

Department	1 st Semester	2 nd Semester	3 rd Semester
Geography	Introduction To Geography	Geography of India	Geography of North East India and Assam
Geology	Environmental Geology	Disaster Management	Climate Science
Hindi	हिंदी सिनेमा और साहित्य	लोक साहित्य	साहित्य का वैचारिक परिदृश्य
History	An Outline of Ancient Indian History	An Outline of Medieval Indian History	Makers of Modern India
Mathematics	Mathematical Aptitude	Sets And Numbers	Matrices
Philosophy	Introduction to Philosophy	Epistemology, Metaphysics and Religion	Ethics
Physics	Physics for All - Part 1	Physics for All - Part 2	Physics for All - Part 3
Political Science	Introduction to Political Science	Indian Constitution	Politics in India : An Introduction
Statistics	Basic Statistics	Applied Statistics	Basic Probability Theory
Zoology	Outlines of Zoology	Human Health and Diseases	Food, Nutrition and Health

4. **Value Added Course/Foundation Course:**

The students have to study two “Value Added courses” in the first two semesters.

- The course EVS is compulsory for all the students.
- The students shall have to choose one course from the following:
Ancient Indian Studies, NCC, Leadership Development Programme (LDP)

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/-

Dr. Pradip Kr. Bhattacharya

Principal,

Arya Vidyapeeth College (Autonomous)

Arya Nagar, Guwahati – 781016