

Andhra Pradesh State Council of Higher Education
Implementation of CBCS in Undergraduate Colleges in Andhra Pradesh
Guidelines

As the universities are aware, a review of the syllabi implemented from 2015-16 under CBCS was taken up by the APSCHE based on the feedback received and as per the UGC guidelines. The review was made for a few select subjects that are common in colleges, i.e., Mathematics, Physics, Computer Sci/IT, Chemistry, Botany, Zoology (BSc), Economics, History, Political Science, Public Administration (BA) and English and Telugu (Language subjects). The syllabi of B.Com., BBA and BCA, and Foundation Courses were also reviewed. The universities were requested to do a similar exercise in respect of other subjects. In fact, no significant changes were made in the syllabi of the first two years (first four semesters) in most of the subjects.

The review was intended to rectify mistakes and to reduce the excess load, if any, in case of core papers. Further, Syllabi for Electives in various subjects were to be prepared. Another task was preparation of syllabi for Degree Honours Programmes. The APSCHE, therefore, constituted subject review committees and got the tasks completed in April, 2016. The revised (modified) syllabi were communicated to universities and requested them to keep the syllabi on their websites inviting suggestions from the colleges.

The final version of the revised (modified) syllabi for all the three years are being sent to all the universities to be implemented from 2016-17 along with these guidelines.

The following guidelines may be followed in the implementation of CBCS framework and syllabi from the academic year 2016-17. The implementation year, however, remains as 2015-16.

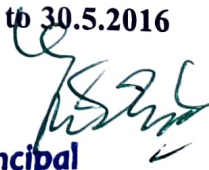
1. The slightly revised framework of CBCS is being sent to all universities and the same is to be implemented from 2016-17. Foundations courses were a little reshuffled based on feedback. Two Skill Development Courses in V and VI Semesters (to be designed by the respective universities) were dispensed with. Now there are only 10 Foundation Courses.
2. The syllabi of the common subjects in BA and BSc were reviewed for rectifications and the reviewed final syllabi for all the three years are being sent to all the universities, along with these guidelines. The common subjects are, Mathematics, Physics, Computer Sci/IT, Chemistry, Botany, Zoology (BSc), Economics, History, Political Science, Public Administration, Special English, Special Telugu (BA), and B.Com, BBA and BCA. These reviewed syllabi are to be implemented by the universities from 2016-17. The final syllabi of General English and General Telugu (Language subjects) were already communicated (there is no change in General Telugu of 2015-16).
3. Similarly, reviewed and rectified syllabi of Foundation Courses are also being sent to the universities for implementation from 2016-17.
4. Regarding the Electives (in the VI Semester), the following guidelines are to be followed.
 - a. Papers VII and VIII will be Electives for any domain subject and both the papers will be offered in the same VI Semester of the final year (except in B.Com and BBA where the old pattern (VI and VIII papers are Electives) was retained).
 - b. At Paper -VII, a student will pursue three Electives respectively belonging to the three domain subjects. For example, an MPC student will study one each Elective from Mathematics, Physics and Chemistry as individual Elective paper VII. He/she will choose from the multiple individual Electives offered for each subject.




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- c. Whereas, as Paper -VIII, the student will study all the three papers as a cluster from the same subject (one of the three subjects). These three papers will cover a wide stream and will give a wider learning experience to the students. For example, as Paper -VIII, an MPC student will pursue all the three papers belonging to Physics (VIII-A-1,2&3 or VIII-B-1,2&3 or....) from out of alternate Clusters of Electives of Physics and will not study Mathematics and Chemistry. Each Cluster will have three Electives.
 - d. The universities have to accommodate the above facility to all students in all colleges.
 - e. The list of Electives and cluster Electives for each subject, along with their syllabi, for Papers VII & VIII will be displayed in the websites of all universities and that of APSCHE.
 - f. The colleges may choose the Electives for Papers VII and Clusters for paper VIII depending on the local needs in terms of students' local employability and those chosen Electives can be offered in the college.
 - g. A college may offer one or more Electives for each subject depending the availability of facilities, teachers and local expertise/opportunities. The selection of Electives may be at the college level and even at the student level if the colleges can afford suitable staff and facilities. The universities may be obliged to consider the choice of the college/students.
 - h. Further, a college may identify its own novel and useful Electives, prepare syllabi/curricula, in consultation with the affiliating university, and offer the same to its students after the approval of the affiliating university concerned.
 - i. The Electives of VI Semester (in case of V & VI in B.Com) may be treated as 'specialisation' and the title of the 'stream' may be mentioned in the provisional pass certificate of BA/BCom/BSc students.
 - j. In respect of B.Com. with papers of 'Computer Applications' as Electives in V&VI Semesters in the V and VI Semesters, the respective universities may permit the colleges to collect additional fee for meeting the additional expenses.
5. In respect of all the other subjects (other than the select common subjects mentioned above for which APSCHE has reviewed the syllabi), the universities may themselves prepare the syllabi in the CBCS Framework given including Electives and Cluster Electives.
 6. All the universities and colleges shall follow the spirit and advantages of CBCS pattern and utilize it to a maximum extent for the benefit of the student and society. The separation of syllabus into Core and Electives and the facility of 'choice' to the student under CBCS are to be effectively utilized, especially in offering useful and skill/job-oriented Electives in multiple numbers, including the utilizing the local resources and opportunities.
 7. The Universities are requested to limit their syllabi of PG Entrance Tests to the Six Core papers of the respective subject. The Electives are intended to enhance the job/work oriented experience, knowledge and skills in the local, regional or global contexts.
 8. The effective implementation of the spirit of CBCS will enhance the much desirable competencies of degree students.
 9. The full cooperation of universities is sought in all the above matters.
 10. The Universities are requested to remove the syllabi of all the subjects from the University records as well as University website sent by APSCHE prior to 30.5.2016




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to avoid confusion. Further, the Universities shall place the new syllabi sent herewith on their website.




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ANNEXURE - I CBCS CURRICULAR FRAMEWORK (2020 - 21 ONWARDS) - BACHELOR OF ARTS

Subjects		SEM I		SEM II		SEM III		SEM IV		SEM V		SEM VI			
		Hrs/W	Credits	Hrs/W	Credits	Hrs/W	Credits	Hrs/W	Credits	Hrs/W	Credits	Hrs/W	Credits		
Languages															
English		4	3	4	3	4	3								
Language (H/T/S)		4	3	4	3	4	3								
Life Skill Courses		2	2	2	2	2+2	2+2								
Skill Development Courses		2	2	2+2	2+2	2	2								
Core Papers														THIRD PHASE of APPRENTICESHIP Entire 5th / 6th Semester FIRST and SECOND PHASES (2 spells) of APPRENTICESHIP between 1st and 2nd year and between 2nd and 3rd year (two summer vacations).	
Major 1	Core 1,2,3, & 4	5	4	5	4	5	4	5	4						
Major 2	Core 1,2,3, & 4	5	4	5	4	5	4	5	4						
Major 3	Core 1,2,3, & 4	5	4	5	4	5	4	5	4						
Major 1	Core -5							5	4						
Major 2	Core -5							5	4						
Major 1	Skill Enhancement Core Courses 6 & 7									5	4				
Major 2	Skill Enhancement Core Courses 6 & 7									5	4				
Major 2	Skill Enhancement Core Courses 6 & 7									5	4				
Major 2	Skill Enhancement Core Courses 6 & 7									5	4				
Hrs/W (Academic Credits)		27	22	29	24	29	24	30	24	30	24	0	12	4	4
Project Work															
Extension Activities (Non Academic Credits)															
NCC/NSS/Sports/Extra Curricular															
Yoga										2					
Extra Credits							1		1						
Hrs/W (Total Credits)		27	22	29	24	29	25	30	27	30	24	0	12	4	4



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ANNEXURE - II CBCS CURRICULAR FRAMEWORK (2020 - 21 ONWARDS) - BACHELOR OF SCIENCES													
Subjects		SEM I		SEM II		SEM III		SEM IV		SEM V		SEM VI	
		Hrs/W	Credits	Hrs/W	Credits	Hrs/W	Credits	Hrs/W	Credits	Hrs/W	Credits	Hrs/W	Credits
Languages													
English													
Language (H/T/S)		4	3	4	3	4	3						
Life Skill Courses		4	3	4	3	4	3						
Skill Development Courses		2	2	2	2	2+2	2+2						
		2	2	2+2	2+2	2	2						
Major 1	Core 1,2,3,& 4	4+2	4+1	4+2	4+1	4+2	4+1	4+2	4+1				
Major 2	Core 1,2,3,& 4	4+2	4+1	4+2	4+1	4+2	4+1	4+2	4+1				
Major 3	Core 1,2,3,& 4	4+2	4+1	4+2	4+1	4+2	4+1	4+2	4+1				
Major 1	Core -5							4+2	4+1				
Major 2	Core -5							4+2	4+1				
Major 3	Core -5							4+2	4+1				
Major 1	Skill Enhancement Courses (6 & 7)							4+2	4+1				
Major 2	Skill Enhancement Courses (6 & 7)									4+2	4+1		
Major 3	Skill Enhancement Courses (6 & 7)									4+2	4+1		
Hrs/W (Academic Credits)		30	25	32	27	32	27	36	30	36	30		
Project Work												12	
Extension Activities (Non													
NCC/NSS/Sports/Extra Curricular													
Yoga									2				
Extra Credits							1		1				
Hrs/W (Total Credits)		30	25	32	27	32	28	36	33	36	30		
												12	
												4	4

THIRD PHASE of
APPRENTICESHIP
Entire 5th / 6th
Semester

FIRST and SECOND
PHASES (2 spells) of
APPRENTICESHIP
between 1st and 2nd
year and between 2nd
and 3rd year (two
summer vacations).



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ANNEXURE - III CBCS CURRICULAR FRAMEWORK (2020 - 21 ONWARDS) - B.Com., BBA, BCA etc.

Subjects		SEM I		SEM II		SEM III		SEM IV		SEM V		SEM VI	
Languages		Hrs/W	Credits	Hrs/W	Credits	Hrs/W	Credits	Hrs/W	Credits	Hrs/W	Credits	Hrs/W	Credits
English		4	3	4	3	4	3						
Language (H/T/S)		4	3	4	3	4	3						
Life Skill Courses		2	2	2	2	2+2	2+2						
Skill Development Courses		2	2	2+2	2+2	2	2						
Core Courses***													
Core		5	4	5	4	5	4	5	4				
Core		5	4	5	4	5	4	5	4				
Core		5	4	5	4	5	4	5	4				
Core								5	4				
Core								5	4				
Core								5	4				
(Domain Related) Skill Enhancement Courses**** (SECs)										5	4		
										5	4		
										5	4		
										5	4		
										5	4		
Hrs/W (Academic Credits)		27	22	29	24	29	24	30	24	30	24	0	12
Project Work												4	4
Extension Activities													
NCC/NSS/Sports/Extra Curricular													
Yoga									2				
Extra Credits						1		1					
Hrs/W (Total Credits)		27	22	29	24	29	25	30	27	30	24	0	12
												4	4

THIRD PHASE of APPRENTICESHIP Entire 5th / 6th Semester

FIRST and SECOND PHASES (2 spells) of APPRENTICESHIP between 1st and 2nd year and between 2nd and 3rd year (two summer vacations).



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A.P. STATE COUNCIL OF HIGHER EDUCATION

GUIDELINES FOR THE REVISED CHOICE BASED CREDIT SYSTEM CBCS (W.E.F 2020-21)

I. Preamble:

Choice Based CreditSystem (CBCS) was introduced, under the aegis of Andhra Pradesh State Council of Higher Education (APSCHE), at the insistence of the University Grants Commission, for the general undergraduate programmes, i.e., BA, BCom, BSc, BCA, BBA, UG Honours etc., by the affiliating universities in all government, aided and private degree colleges in the state of Andhra Pradesh in 2015 - 2016.

The system of CBCS has been in vogue for the undergraduate programmes in all the advanced countries for several decades and proved to be advantageous to the students of higher education because of its features like courses in place of papers, availability of diverse courses, scope for choice, weightages with credits, space for multiple kinds of teaching, learning and assessing methods which can effectively cater to the diverse needs of students.

As the existing CBCS would be completing five years by 2019-20, the APSCHE decided to revise and strengthen the scheme while addressing the following issues.

- a. Overcoming the shortages in the existing system.
- b. Consolidating the system in its true spirit by providing multiple choices in domain as well as general courses.
- c. Revising the curricular framework wherever needed.
- d. Orienting syllabus to the course outcomes as advised by UGC
- e. Updating of syllabus to match to the present needs
- f. Replacing papers with courses
- g. Introducing better skill-oriented courses to align with the emerging and employment areas.

For carrying out the above task, the APSCHE constituted a Committee for recommending revised curricular framework and updated syllabus of UG Programmes,



i.e., B.A., B.Com., B.Sc., BCA, BBA, UG Honours etc., under CBCS pattern from the year 2020-21.

Based on the recommendations of the Committee, the following Guidelines are formulated. These Guidelines of Curricular Framework with revised Choice Based Credit System comes into effect from the academic year 2020 – 2021, to be strictly adhered for all Undergraduate Programmes offered in Affiliated Colleges and Autonomous Colleges.

1. The Curricular Framework for UG – Arts; UG – Science and UG – Commerce are appended as Annexures – I, II & III respectively.
2. **Life Skill Courses:** There will be 4 Life Skill Courses in place of earlier 10 foundation courses with the same hours, credits and maximum marks. The objective is to inculcate the required simple life-long skills. While the course in 'Environmental Education' continued to be mandatory, in case of others, students can opt one out of three courses, unlike in the existing system, where no choice is being given to students.
3. **Skill Development Courses:** A new set of 4 Skill Development Courses will be offered with 2 hours of teaching per week, two credits, 50 maximum marks and only external assessment. These courses are intended to train students in broad-based multiple career oriented general skills, in Arts, Commerce and Science streams but open to all students. A wider choice is given to students as they can choose one course from a total of six courses (two from each stream).
4. The preferred departments for teaching LSCs and SDCs are appended.
5. To ensure accountability among the teachers teaching LSCs and SDCs courses, the workload of these is to be reckoned for the calculation of workload of teachers.
6. **Core Courses:** Three core courses of Domain subjects will be in the first three semesters, and the fourth and fifth courses will be in the fourth semester. Two domain SECs will be in the fifth semester. There will be uniformly five Core Courses in each Domain Subject in BA and BSc, and 15 in BCom.



7. **Skill Enhancement Courses:** Two Skill Enhancement Courses will be offered for each domain subject, in Semester V. The two Skill Enhancement Courses of each domain subject will be linked for a wider basic and practical experience to students.
8. Programmes like BCA, BBA, UG Honours etc. will broadly have a similar framework as prescribed for B.Com considering them as single major subject programme.
9. Table-1: Main Features of the Courses in the Revised Curricular Framework.

Subject/Course	Hours / Week Theory	Hours / Week Practicals	Total Hours	Credits	Max Marks Internal Assessment	Max Marks University Exam	Total
Life Skills Course	02	-	02	02	-0-	50	50
Skill Development Course	02	-	02	02	-0-	50	50
Language Subject	04	-	04	03	25	75	100
Domain Arts/Commerce Subject	05	-	05	04	25	75	100
Domain Science Subject	04	02	05	05 (4+1)	25	75	100
Mathematics	06	-	06	05	25	75	100

10. The four courses of LSCs, SDCs and three courses of Languages (as they exist now) will be offered in the first three semesters as shown in the table below. The detailed structure is shown in Tabel-2 below.

Courses of	Sem-I	Sem-II	Sem-III	Sem-IV	Sem-V
Life Skills	1 (02)	1 (02)	2 (04)		
Skill Development	1 (02)	2 (04)	1 (02)		
Language – 1	C-1 (04)	C-2 (04)	C-3 (04)		
Language – 2	C-1 (04)	C-2 (04)	C-3 (04)		
Domain Sub -1	C-1 (06)	C-2 (06)	C-3 (06)	C-4 (06)	SEC-1(06)



				C-5 (06)	SEC-2 (06)
Domain Sub -2	C-1 (06)	C-2 (06)	C-3 (06)	C-4 (06)	SEC-1(06)
				C-5 (06)	SEC-2 (06)
Domain Sub -3	C-1 (06)	C-2 (06)	C-3 (06)	C-4 (06)	SEC-1(06)
				C-5 (06)	SEC-2 (06)
Total Hours/Week	30	32	32	36	36

* Figures in parenthesis are hours per week of Core Courses of Science. In respect of Arts and Commerce Courses, the hours per week for Core Courses will be 5.

** SEC1 and SEC-2 in Sem-V are C-6 and C-7 respectively.

11. Teaching of two appropriate LSCs/SDCs are to be assigned to the language departments to mitigate the workload shortage for the language subjects, as being done in respect of Foundation Courses in the previous system. The workload for teaching LSCs and SDCs by the respective language department shall be reckoned while calculating their workload.
12. The syllabus was revised and updated keeping the Learning Outcomes in view for ensuring higher order learning and skills, a requirement in higher education. The Universities and colleges shall make certain that teaching, learning and assessment are outcome oriented.
13. In the affiliation system which imposes limitations in assessing students, the internal assessment is crucial in ensuring the right learning. Universities and colleges may strengthen the internal assessment without disturbing its flexibility.
14. Co-curricular activities play an important role in promoting experiential self-learning and field-based learning in students, especially in learning higher order skills. The measurable pedagogical activities can be a small part of internal assessment.
15. The respective Boards of Studies of the affiliating universities/autonomous colleges may modify the syllabus prepared by the subject committees as mentioned above to a limited extent, without disturbing the Frame work recommended above.
16. In view of the advantages of using ICT in teaching and learning, the universities and colleges may offer 'online courses' on extra credits. They may take into consideration the standardized online courses offered by various government/public agencies and also may design their own new online courses following due procedures.



17. Similarly, online programmes such as Webinars, with greater participation of students, may be encouraged in colleges.
18. The system of credit transfer facilitates students getting better training at appropriate places. The universities may discuss and develop a uniform system and guidelines in this regard across the state. The number of credits earned under credit transfer shall, however, be limited to a small number. APSCHE will issue separate guidelines.
19. To ensure inculcating social responsibility and compassionate commitment among the students, the summer vacation in the intervening 1st and 2nd years of study shall be for Community Service. Detailed guidelines on the Community Service will be circulated shortly.
20. To make the students employable, an Apprenticeship / Internship / On the job training shall be undertaken by the students in the intervening summer vacation between the 2nd and 3rd years.
21. During the entire 6th Semester, the student shall undergo Apprenticeship / Internship / On the Job Training. This is to ensure that the students develop hands on technical skills which will be of great help in facing the world of work.
22. APSCHE shall issue guidelines for the implementation and assessment of the Apprenticeship / Internship / On the job Training.




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LIST OF LIFE SKILL COURSES

Semester	No. of Courses	Choices	Preferred Teaching Dept.
I	01	Computer Applications	Computers
		Human Values and Professional Ethics	English/Telugu/Any Dept
		Entrepreneurship	Commerce
II	01	Information and Communication Technology	Computers
		Indian Culture and Science	History/Telugu
		Elementary Statistics	Statistics/Maths/Economics/Commerce
III	02	Health and Hygiene	Zoology/Botany
		Personality Development and Leadership	English/ Any Dept
		Analytical Skills	Maths/Statistics
		Environmental Education	Botany/Zoology/Environmental Sciences/Any Dept.




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List of Skill Development Courses along with their Semester-wise allotment with choices. Preferred Teaching Departments are given in the parenthesis.

Sem	No. of Courses	Stream – A (Arts)	Stream – B (Commerce)	Stream – C (Science)
I	01	Tourism Guidance (History) Public Relations (Pol Sci /English)	Secretaryship Insurance Promotion	Electrical Appliances (Physics) Plant Nursery (Botany)
II	02	Journalistic Reporting (English) Survey & Reporting (Economics/History) Social Work Methods (Pol Sci) Performing Arts (Telugu)	Agricultural Marketing Business Communication (English) Advertising Logistics & Supply Chain	Solar Energy (Physics) Fruit & Vegetable Preservation (Botany) Dairy Techniques (Zoology) Food Adulteration (Chemistry)
III	01	Financial Markets (Economics) Disaster Management (English /Telugu)	Online Business Retailing	Environment Audit (Chemistry) Poultry Farming (Zoology)





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PROF. B. SUDHEER PREM KUMAR
SECRETARY

Dt: 30.10.2019

APSCHE/AC/CBCS-2019-20/Review

To
The Registrars of affiliating Universities in the State,

Sir/Madam,

Sub: APSCHE-Academic Cell-CBCS in Undergraduate Colleges in Andhra Pradesh-Revision of the syllabus taken up by APSCHE-Feedback form on the CBCS under implementation in the website of APSCHE-Reg
-oOo-

I am directed to inform that Choice Based Credit System (CBCS) was introduced in degree colleges in AP by the affiliating universities in accordance with UGC guidelines and curricular framework prepared by APSCHE in 2015-16. Since the system will be completing five years by March 2020, and needs to be reviewed and strengthened for making it effective and choice based, the A.P. State Council of Higher Education has initiated the process of revision of syllabus to be in effect from 2020-21 for I year of B.A, B.Sc and B.Com programs.

I am further directed to inform that the Council felt it necessary to obtain feedback from the students and teachers while revising the syllabus. The feedback form has been placed in the website of the Council apsche.org and it will be made available till 10.11.2019.

I am therefore directed to request the University to inform all affiliated Degree Colleges to encourage their students and teachers to fill the feedback form designed for non-professional UG Courses and placed in the website of Council before 10.11.2019.

Yours faithfully,


30/10/19
SECRETARY

Copy to:
The Deans, CDC of affiliating Universities.




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