

आंध्रप्रदेश केंद्रीय विश्वविद्यालय  
**CENTRAL UNIVERSITY OF ANDHRA PRADESH**  
**Ananthapuramu**

**Undergraduate Programme Structure  
as per the UGC Credit Framework (NEP 2020)**



*Vidya Dadati Vinayam*  
(Education gives humility)

***B.Sc. (Hons) Economics***

*“Economics is the science which studies human behavior as a relationship between ends and scarce means which have alternative uses.”*

- Lionel Robbins (1935)



**Programme Structure**

(With effect from AY 2024 - 25)

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**B.Sc. (Hons) Economics**

### **Introduction to the Programme**

With the motto "Vidya Dadati Vinayam," the Central University of Andhra Pradesh is endeavoring to prepare its students to be upright and productive citizens by offering a Bachelor of Science (Hons) in Economics as one of its programmes. The primary objective of the programme is shaping the student through a Learning Outcome-based Curriculum Framework (LOCF). The B.Sc. (Hons) Economics programme aims to provide a cutting-edge proficiency in mainstream economics. The main objective of the programme is to foster critical, analytical, skill based, and creative thinking abilities for decision making and problem-solving. It aims are not only to explore full spectrum of economics but also it seeks to improve comprehension of social and political issues. The programme also states the attributes that it aims to inculcate during graduation. These attributes encompass values related to wellbeing, emotional stability, critical thinking, social justice and skills for employability. In short, the programme equips students with sustainable lifelong learning.

In light of the National Education Policy 2020 (NEP), the B.Sc. (Hons) Economics programme is revised as multidisciplinary in nature with an option of multiple entry and exit. The programme integrates different fields like Mathematics, Statistics, Econometrics, Finance, Business, Applied Research, Model Building, Environmental Studies, and other relevant disciplines with an inbuilt global as well as regional perspective. The programme has given more weight to Research Projects, Case Studies, Field Visits, Internships, and Seminars that enhance deeper understanding of the real-world applications. Additionally, the curriculum endorses the students to equip with technical knowledge with software packages like advance techniques in Microsoft Excel, SPSS, R, and Python that helps students to execute the data based things for precision and scientificity, and helps to grab the current job market in different fields.

The programme is consistent with global standards in the Economics discipline. It offers training that is comparable with that of the world's best universities. The Central University of Andhra Pradesh hopes that, B.Sc. (Hons) Economics programme under NEP2020 with the LOCF approach can help the students to attain their future desired endeavors.



### **Programme Vision**

The programme's vision is to become an internationally renowned model for its cutting-edge academic curriculum with a Learning Outcome-based Curriculum Framework (LOCF). It entails in fostering an environment that supports creativity, inclusivity, and research-based learning. The programme aims to create a vibrant learning environment that inspires the students to equip with the essential expertise, skills, and ethical standards required to succeed in a rapidly evolving global environment and eventually contribute to intellectual abilities of the institution, country, and global community.

### **Programme Objectives**

The programme is designed to achieve the following specific objectives:

- Provide a comprehensive overview of economic theories, ranging from classical to modern, emphasizing their application and practicality.
- Encourage students to acquire command on economic theory to make predictions and to analyze alternative economic policy options.
- Inculcate the student to be knowledgeable about global and local economic problems and challenges, as well as encourage them to equip with the ability to do empirical analysis and the provision of substitute models and problem-solving potentiality.
- Encourage students to develop their communication in both orally and in writing to confidently present the evidence, arguments, and debates on economic theories, concepts, and ideas in the classroom, seminars and any other platform.
- Train them and build their careers as a leader where they are likely to make a long-lasting contribution to academia, industry, government, and beyond.
- Train them to equip with advanced quantitative and qualitative analysis techniques, develop their research skills, provide methodological training, and create a curiosity on exploration to conduct research.
- Integrate industry and organization in the academia and to bridge the gap between them through training session to foster holistic student development in order to grab the opportunities that aligns with the needs of the job market.



### **Programme Learning Outcomes**

Upon completion of this programme, a student will have the knowledge, skills, and dispositions necessary for success in economics and business field and any other relevant fields. The primary learning outcomes that a student can accomplish:

- Exhibit sophisticated knowledge and comprehension of core concepts, theories, and principles in areas like micro and macroeconomics, development and international economics, Indian economy, public finance, finance and monetary economics, research methodology, and data analysis.
- Analyse and formulate policies by applying economic theories and concepts to contemporary social issues.
- Develop the ability to critically evaluate economic theories and models, and apply them to solve real-world economic problems.
- Develop expertise in specific areas of economics and data analytics through elective courses, research projects, and practical experience.
- Applying qualitative and quantitative data analysis techniques to resolve challenging economic issues.
- Use advanced computer statistic packages to analyse data and estimate models and interpret economic information at an advanced level.
- Conducting field studies/case studies by collecting, organizing the data and drawing the conclusions.

### **Pedagogy of the Program**

The pedagogy comprises of teaching, discussions, seminars and field visits that allow a closer interaction between the students and the teacher as each student gets individual attention. By integrating economic concepts to real world scenarios, utilizing case studies and business examples, engaging in hand-on activities, and encouraging critical thinking and analysis, students can better grasp the concepts and apply them in practicality. Laboratory component and field-based research projects develop independent thinking and prepare them to carry out research on their own. Learning outcomes are periodically through class test, home assignments and quizzes. Students engage in regular interactions with experts from industry, academia, and policy circles, gain valuable insights on economic discourse and practical application. Interactive sessions, internship and local community participation activities can sensitize them in societal issues and help them in policy making decision process.



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**B.Sc. (Hons) Economics**

### Programme Structure

- The B.Sc.(Hons)Economics programme is a four-year course divided into eight semesters with a total of around 181 credits.
- The programme is designed with the combination of Major (Core) Courses, Minor Courses, Inter-disciplinary Electives (IDE), Ability Enhancement Courses (AEC), Skill Enhancement Courses (SEC) and Value-Added Courses (VAC).
- Students will undergo for 2 months summer internship after IV semester and submit internship report in V semester.
- In semester VII student will undergo Community Service Project (CSP).
- Student will undergo two Project Works/Dissertations each in semester VI and VIII.

### Alignment with CBCS

The B.Sc. (Hons) Economics programme is aligned with Choice Based Credit System (CBCS) adopted by the Central University of Andhra Pradesh. The following types of courses are offered under CBCS:

- 6.1. Major Courses (MJC):** A student of B.Sc.(Hons) Economics has to take twenty two such courses spread over the eight semesters. Out of twenty two Major Course four courses have electives in III, IV, V, and VI semesters.
- 6.2. Minor Course (MNC):** A student of B.Sc.(Hons) Economics has to take eight such courses spread over the eight semesters across the available disciplines in the university by his/her choice.
- 6.3. Inter Disciplinary Elective (IDE):** A student has to complete three Inter Disciplinary Elective courses, one course during I, II and III semesters, through online platform (MOOC).
- 6.4. Ability Enhancement Courses (AEC):** A student has to complete four Ability Enhancement Courses, one course each of I, II, III, and IV semesters.
- 6.5. Skill Enhancement Courses (SEC):** A student has to complete three Skill Enhancement Courses, one course each of I, II, and III semesters.
- 6.6. Value-Added Courses (VAC):** A student has to complete three Value-Added Courses, one course each of I, II, and IV semesters.
- 6.7. Summer Internship (SIP):** A student has to undergo for summer internship during the summer vacation after the completion of IV semesters and submit report in V semester.
- 6.8. Community Internship (CIP):** A student has to interact with local communities and submit a report based on his/her experiences in VI semester.
- 6.9. Field Survey (FS):** A student has to prepare a report based on Field Survey during VII semester.
- 6.10. Dissertation (DS):** A student has to prepare a Dissertation with support from faculties in VIII semester.



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**B.Sc. (Hons) Economics**

**(Semester and Course Wise Credits)**

Semester	MAJOR	MINOR	IDE	AEC	SEC	VAC	SIP	CSP	Dissertation	Lab	Total Credits
I	BEC101 (4) BEC102 (4) BEC103 (4)	BEC111 (4)	BEC112 (3) MOOC	BEC113 (2) MOOC	BEC114 (3)	BEC115 (2) MOOC				BEC103 (1)	26
II	BEC201 (4) BEC202 (4) BEC203 (4)	BEC211 (4)	BEC212 (3) MOOC	BEC213 (2) MOOC	BEC214 (3)	BEC215 (2) MOOC				BEC202 (1) BEC214 (1)	26
III	BEC301 (4) BEC302 (4) BEC303 (4) BEC304 BEC305	BEC311 (4)	BEC312 (3) MOOC	BEC313 (2) MOOC	BEC314 (4)					BEC314 (2)	25
IV	BEC401 (4) BEC402 (4) BEC403(4) BEC404 BEC405	BEC411 (4)		BEC412 (4)		BEC 414 (2)				BEC402 (2)	22
V	BEC501 (4) BEC502 (4) BEC503 (4) BEC504 (4) BEC505 BEC506	BEC511 (4)					BEC512 (2)			BEC503 (2)	22
VI	BEC601 (4) BEC602 (4) BEC603 (4) BEC604 BEC605	BEC611 (4)							BEC612 (4)	BEC602 (2)	20
VII	BEC701 (4) BEC702 (4)	BEC711 (4) BEC712 (4) MOOC						BEC713 (4)			20
VIII	BEC801 (4) BEC802 (4)								BEC811 (12)		20
<b>Total</b>	<b>92</b>	<b>32</b>	<b>9</b>	<b>10</b>	<b>10</b>	<b>6</b>	<b>2</b>	<b>4</b>	<b>16</b>	<b>11</b>	<b>181</b>
<b>Percentage</b>	<b>51.00</b>	<b>18.00</b>	<b>5.00</b>	<b>6.00</b>	<b>6.00</b>	<b>3.00</b>	<b>1.00</b>	<b>2.00</b>	<b>9.00</b>	<b>6.00</b>	<b>100</b>

As per UGC Credit Framework minimum credit requirements to award the degree under each category: Major(Core) 80 Credits, Minor 32 Credits, Multidisciplinary 9 Credits, Ability Enhancement course (AEC) 8 Credits, Skill Enhancement courses (SEC) 9 Credits, Value Added Course(VAC) 6-8 Credits, Summer Internship (SIP) 2-4 credits, Research Project/Dissertation 12 credits. Minimum Total Credits per Programme :160



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**Programme Structure as per UGC Credit Framework**

Sl. No.	Course Code	Title of the Course	Credit Points	Credit Distribution		
				L*	T*	P*
<b>Semester I</b>						
1	BEC101	CC: Introductory Microeconomics	4	3	1	
2	BEC102	CC: Mathematical Methods for Economics-I	4	3	1	
3	BEC103	CC: Statistical Methods for Economics-I	4	3		1
4	BEC111	Minor: Basics of Microeconomics	4	3	1	
5	BEC112	IDE: MOOCs	3	3		
6	BEC113	AEC: Modern Indian Language (English -I)	2	2		
7	BEC114	SEC: Modern English Grammar and Pronunciation	3	2		1
8	BEC115	VAC: Indian Knowledge System (MOOC)	2	2		
<b>Total</b>			<b>26</b>	<b>21</b>	<b>3</b>	<b>2</b>
<b>Semester II</b>						
1	BEC201	CC: Introductory Macroeconomics	4	3	1	
2	BEC202	CC: Mathematical Methods for Economics-II	4	3	1	
3	BEC203	CC: Statistical Methods for Economics-II	4	3		1
4	BEC211	Minor: Basics of Macroeconomics	4	3	1	
5	BEC212	IDE: MOOCs	3	3		
6	BEC213	AEC: Any Course on English Language (MOOCs)	2	2		
7	BEC214	SEC: Writing for the Media	3	2		1
<b>Total</b>			<b>22</b>	<b>18</b>	<b>2</b>	<b>2</b>
<b>Semester III</b>						
1	BEC301	CC: Microeconomic Theory	4	3	1	
2	BEC302	CC: Introductory Econometrics	4	3	1	
3	<b>Elective-I: Any one of the following</b>		4	3	1	
	BEC303	CC: Public Finance				
	BEC304	CC: Andhra Pradesh State Finance				
	BEC305	CC: Public Private Partnership				
4	BEC311	Minor: Principles of Public Finance	4	3	1	
5	BEC312	IDE: MOOC	3	3		
6	BEC313	AEC: Modern Indian Language (English -II) MOOC	2	2		
7	BEC314	SEC: Artificial Intelligence and Machine Learning	2	2		
		<b>Lab:</b> Artificial Intelligence and Machine Learning	2			2
<b>Total</b>			<b>25</b>	<b>19</b>	<b>4</b>	<b>2</b>





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Sl. No.	Course Code	Title of the Course	Credit Points	Credit Distribution		
				L*	T*	P*
<b>Semester IV</b>						
1	BEC401	CC: Macroeconomic Theory	4	3	1	
2	BEC402	CC: R for Economics	2	2		
		Lab: R for Economics	2			2
3	<b>Elective-II: Any one of the following</b>		4	3	1	
		CC: Applied Econometrics				
	BEC404	CC: Financial Econometrics				
	BEC405	CC: Time Series Econometrics				
4	BEC411	Minor: Economics of Social Sectors	4	3	1	
5	BEC412	AEC: Building Mathematical Abilities	4	3	1	
6	BEC413	VAC: Environmental Studies – II (MOOC)	2	2		
<b>Total</b>			<b>22</b>	<b>17</b>	<b>4</b>	<b>1</b>
<b>Semester V</b>						
1	BEC501	CC: Indian Economic Thought	4	3	1	
2	BEC502	CC: Development Economics	4	3	1	
3	BEC503	CC: Python for Economics	2	2		
		Lab: Python for Economics	2			2
4	<b>Elective-II: Any one of the following</b>		4	3	1	
	BEC504	CC: Industrial Economics				
	BEC505	CC: Game Theory				
	BEC506	CC: Infrastructure Economics				
5	BEC511	Minor: Indian Economic Development	4	3	1	
6	BEC512	SIP: Summer Internship	2			2
<b>Total</b>			<b>22</b>	<b>14</b>	<b>4</b>	<b>4</b>
<b>Semester VI</b>						
1	BEC601	CC: Indian Economy	4	3	1	
2	BEC602	CC: Research Methodology & Data Analysis using SPSS	2	2		
		Lab: SPSS and LaTeX	2			2
3	<b>Elective-III: Any one of the following</b>		4	3	1	
	BEC603	CC: Financial Economics				
	BEC604	CC: Money and Banking				
	BEC605	CC: Financial Derivatives	4	3	1	
4	BEC611	Minor: Agricultural Finance & Marketing				
5	BEC612	Dissertation I	4			4
<b>Total</b>			<b>20</b>	<b>11</b>	<b>3</b>	<b>6</b>



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Sl. No.	Course Code	Title of the Course	Credit Points	Credit Distribution		
				L*	T*	P*
<b>Semester VII</b>						
1	BEC701	CC: Agriculture Economics	4	3	1	
2	BEC702	CC: International Economics	4	3	1	
3	BEC711	Minor: Entrepreneurial Skill Development	4	3	1	
4	BEC712	Minor: Gender Economics/MOOC	4	3	1	
5	BEC713	CSP: Community Service Project	4			4
<b>Total</b>			<b>20</b>	<b>12</b>	<b>4</b>	<b>4</b>
<b>Semester VIII</b>						
1	BEC801	CC: Financial Markets	4	3	1	
2	BEC802	CC: Strategic Leadership and Management	4	3	1	
3	BEC811	Dissertation II	12			12
<b>Total</b>			<b>20</b>	<b>6</b>	<b>2</b>	<b>12</b>

\*L: Lecture; T: Tutorial; P: Practical    1#: LaTeX

**IDE:** Interdisciplinary Elective

**AECC:** Ability Enhancement Compulsory Course

**SEC:** Skill Enhancement Courses

**VAC:** Value-Added Courses

**MOOCs:** Massive Open Online Course

**Minor:** Elective Course from other Discipline

**Note:** MOOCs are chosen by the student based on the availability of the courses offered on SWAYAM platform.



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**Credit Distribution**

Semester	Total Credits	Cumulative Credit at the end of the Semester
I	26	26
II	26	52
III	25	77
IV	22	99
V	22	121
VI	20	141
VII	20	161
VIII	20	181

Minimum Credit Requirements to Award Degree of B.Sc. (Hons) Economics as per UGC Guidelines.

S. No.	Broad Category of Course	Minimum Credit Requirement	
		3-year UG	4-Year UG
1	Major (Core)	60	80
2	Minor Stream	24	32
3	Multidisciplinary	09	9
4	Ability Enhancement Courses (AEC)	08	08
5	Skill Enhancement Courses (SEC)	09	09
6	Value Added Courses common for all UG	06-08	06-08
7	Summer Internship	02-04	02-04
8	Research Project / Dissertation	--	12
	<b>Total</b>	<b>120</b>	<b>160</b>



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**Important Information to Students**

1. Programme: B.Sc. (Hons) Economics
2. Eligibility: +2 Science/Arts/Commerce with Mathematics at +2 level (Business mathematics are not applicable)
3. The minimum duration for completion of the programme is 8 semesters (4 academic years) and the maximum duration shall be 16 semesters (8 academic years) or as per amendments made by the regulatory bodies from time to time.
4. A student should attend at least 75% of the classes, seminars, practicals in each course of study.
5. All theory courses in the programme carry a Continuous Internal Assessment (CIA) component to a maximum of 40 marks and Semester End Examination (SEE) for a maximum of 60 marks. The minimum pass marks for a course is 40%.
6. All lab components carry a Continuous Internal Assessment (CIA) component to a maximum of 60 marks and Semester End Practical Examination (SEE) for maximum of 40 marks. The minimum pass marks for a course in 40%.
7. A student should pass separately in both CIA and the SEE, i.e., a student should secure 16 (40%) out of 40 marks for theory and 24 (40%) out of 60 marks in the lab components in CIA. A student should secure 24 (40%) out of 60 marks for theory and 16 (40%) out of 40 marks for lab components in the SEE.
8. There are 3 CIA tests for each course per semester from which the best 2 performances are considered for the purpose of calculating the marks in CIA. A record of the continuous assessment is maintained by the academic unit. A record of the continuous assessment is maintained by the academic unit.
9. Each CIA contains 15 marks, out of the best 2 tests scores are considered for 30 marks. Out of the remaining 10 marks, 5 marks are awarded for assignments, class presentations and class participation and the remaining 5 marks are awarded for punctuality, and attendance of the student.



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**Marks for the Attendance will be considered as follows:**

S. No	Attendance (%)	Marks
1	95% or more	5
2	90-94%	4
3	85-89%	3
4	80-84%	2
5	75-79%	1

10. A student failing to secure the minimum pass marks in the CIA is not allowed to take the semester end examination of that course. S/he has to redo the course by attending special classes for that course and get the pass percentage in the internal tests to become eligible to take the end semester examination.
11. Semester-end examination shall consist of objective type questions, descriptive type questions, short answer questions and case studies or any other recommended by the Board of Studies (BoS).
12. Students failing a course due to lack of attendance should redo the course.
13. Re-evaluation is applicable only for SEE papers and shall not be entertained for other components such as lab/practical /thesis/ dissertation/ internship etc.
14. An on-campus elective course is offered only if 10 or 50% of the students registered, whichever is higher.