

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

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



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(Education Gives Humility)

## *M.Sc. Economics*

*“Economics is a study of mankind in the ordinary business of life”*

- Alfred Marshall (1890)



**Programme Structure**  
(With effect from AY 2024 - 25)

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## **Introduction to the programme**

1. The core courses can help the students to write the competitive examinations (like UGC NET, IES) to pursue Economics at the later years.
2. Courses such as quantitative techniques, statistics and econometrics contain deeper analysis for economic modeling and research. The Master of Science in Economics (MEC) is one of the advanced postgraduate programmes being offered at Central University of Andhra Pradesh since 2021-22 academic year. The programme aims to produce competent and well-equipped graduates, who are capable of making meaningful contributions to the research, economic policy making, armed with both theoretical knowledge and practical experience. It has a strong foundation on both economics and statistical applications with latest packages through core courses.
3. Through this program the students have the opportunity to put their skills into practice through talks with industry professionals, internship, dissertations, and field surveys. Such a multidisciplinary approach helps students to gain hands-on experience, refining their skills and preparing them for real-world challenges. These practical components not only deepen students' understanding but also foster professional growth, ensuring they are well-equipped to thrive in various professional settings. This programme provides the students with great opportunity in job seeking, higher education and research. While preparing the syllabus of the core courses and the basket of elective courses one has to take into account to provide the following points.
  - a) Computer applications in economics create ability to plot the graphs, tabulation and data analysis.
  - b) The elective courses facilitate the student to seek jobs or for the specialization in research.
  - c) This programme additionally provides freedom to the students to choose elective courses that are inter-disciplinary.
  - d) The student-centric approach of the curriculum has been designed to equip learners with appropriate knowledge, skills and values of the discipline.



## **Programme Vision**

The vision for the programme is to be a globally recognized leader in providing advanced education that integrates economic theory with econometrics and statistical applications with latest packages. It aspires to empower students with the knowledge, skills, and ethical framework necessary to excel in a dynamic and interconnected world. Through innovative research, interdisciplinary collaboration, and a commitment to excellence, it aims to prepare our graduates to address complex economic challenges and make meaningful contributions to society. The vision is to create a vibrant learning community that fosters intellectual curiosity, critical thinking, and lifelong learning, and equips students to become leaders in academia, industry, government, and beyond.

## **Programme Objectives**

Upon completion of the M.Sc. Economics seek to:

- Prepare students to improve critical thinking and pragmatic investigation about several economic and also socio-economic issues quantitative and qualitatively.
- Train the students to acquire the ability to associate the gap between theory and practice in the applied manner.
- Equip the student with skills to analyse problems, formulate and hypothesis, evaluate and validate results and draw reasonable conclusions thereof.
- Prepare students innovatively to grab employment through entrepreneurship, research and other careers.
- Prepare students to gain knowledge, own thinking capacity, delivering opinions regarding contemporary national or international issues and policies.

## **Learning Outcomes**

On successful completion of the programme students:

- Acquire the theoretical and practical knowledge in core economic areas, i.e., microeconomics, macroeconomics, growth theories and also Mathematics, statistics and econometrics.
- Comprehend the basic hypothesis in distinct economic theories and augment capabilities of developing ideas based on them.
- Instruct, train and encourage in higher academics like research studies in economics specifically preparing questionnaire, data collection through various sources like secondary, primary (field) survey, research writings.
- Knowledge a wide range of econometric techniques using statistical software.
- Better furnished in policy formulation and economic administration.
- Motivate in preparing for various competitive examinations, NET, GATE, SET, Indian Economic Service etc., by developing or gaining value addition from current updates.



### **Pedagogy of the programme**

The pedagogy for M.Sc. in Economics involves creating an engaging learning environment that integrates theory with practical application. The program emphasizes interactive lectures, group discussions, problem-solving activities, and hands-on projects. Field visits, household surveys, and dissertation work with faculty guidance enable students to analyze real-world economic issues, apply theoretical concepts, and enhance critical thinking skills. Collaboration and peer learning are encouraged, fostering teamwork and communication. Students gain practical experience with statistical software, enhancing their technological proficiency in applied economics and business. The curriculum also includes interdisciplinary studies, exposing students to intersections with fields like computer science, business, and public policy to provide a comprehensive understanding of economic phenomena and their implications. Projects and research assignments challenge students to address complex societal challenges, developing their analytical and problem-solving abilities. The program culminates in a capstone project or thesis, allowing students to apply their knowledge and skills to significant research questions or practical problems in economics and data analytics.

### **Programme Structure**

- The Master of Economics (MEC) program is structured over two years, divided into four semesters, comprising a total of 91 credits.
- The curriculum is meticulously designed to incorporate Core Courses, Discipline-Specific Electives, Multidisciplinary Courses, and MOOCs, ensuring a comprehensive and enriching learning journey.
- With a focus on meeting the current demands of the Government, non-government, and private sectors, the program offers a selection of nine discipline-specific electives, providing students with a broad range of courses to choose from.
- Throughout Semesters I, II, and III, students will specialize by selecting a Discipline Specific Elective and completing all related courses.
- To augment their learning experience, students are expected to complete one MOOCs course in each of the first three semesters.
- Following the completion of the second semester, students will embark on a two-month summer internship, where they will gain practical experience and submit a comprehensive report during the third semester.
- In the final semester (Semester IV), students will undertake a Dissertation Work, allowing them to apply their acquired knowledge and skills in a practical setting and contribute meaningfully to the field of education.



**Semester and Course wise Credits**

Semester	Course Code	Discipline Specific Elective	IDE	CCC	SIP	Dissertation	Lab	Total Credits
<b>I</b>	MEC101 (4) MEC102 (4) MEC103 (4) MEC104 (4)	MEC111 (4) MEC112 MEC113	MEC114 MOOC (3)	-	-	-	MEC104 (1)	<b>23</b>
<b>II</b>	MEC201 (4) MEC202 (4) MEC203 (4)	MEC211 (4) MEC212 MEC213	MEC214 MOOC (3)	MEC215 (4)	-	-	MEC203 (1)	<b>23</b>
<b>III</b>	MEC301 (4) MEC302 (4) MEC303 (4)	MEC311 (4) MEC312 MEC313	MEC314 MOOC (3)	MEC315 (4)	MEC316 (2)	-	MEC303 (1)	<b>25</b>
<b>IV</b>	MEC401(4)	-	-	-	-	MEC411 (16)	-	<b>20</b>
<b>Total</b>	<b>44</b>	<b>12</b>	<b>09</b>	<b>08</b>	<b>02</b>	<b>16</b>	<b>--</b>	<b>91</b>
<b>Percentage</b>	<b>48.35</b>	<b>13.19</b>	<b>9.89</b>	<b>8.79</b>	<b>2.19</b>	<b>17.58</b>	<b>--</b>	<b>100</b>

**IDE:** Inter-disciplinary Electives

**CCC:** Common Compulsory Course

**SIP:** Summer Internship Project

# **Lab:** Credits are excluded from total credits to avoid double count.



**Programme Structure with Course Titles**

Sl. No.	Course Code	Title of the Course	Credit Points	Credit Distribution		
				L*	T*	P*
<b>Semester I</b>						
1	MEC101	Microeconomic Theory -I	4	3	1	
2	MEC102	Macroeconomic Theory -I	4	3	1	
3	MEC103	Mathematical Methods for Economics	4	3	1	
4	MEC104	Statistical Methods for Economics	4	3		1
5	<b>Elective-I: Any one of the following</b>		4	3	1	
	MEC111	Public Economics				
	MEC112	Money and Banking				
	MEC113	Industrial Economics				
6	MEC114	*IDE-I : MOOCs	3	3		
<b>Total</b>			<b>23</b>	<b>18</b>	<b>4</b>	<b>1</b>
<b>Semester II</b>						
1	MEC201	Microeconomics Theory -II	4	3	1	
2	MEC202	Macroeconomics Theory -II	4	3	1	
3	MEC203	Econometrics - Theory and Applications	4	3		1
4	<b>Elective-II: Any one of the following</b>		4	3	1	
	MEC211	Financial Economics				
	MEC212	Labour Economics				
	MEC213	Agriculture Economics				
5	MEC214	*IDE-II: MOOCs	3	3		
6	MEC215	CCC-1: Artificial Intelligence and Machine Learning	2	2		
		<b>Lab:</b> Artificial Intelligence and Machine Learning	2			2
<b>Total</b>			<b>23</b>	<b>17</b>	<b>2</b>	<b>3</b>
<b>Semester III</b>						
1	MEC301	Economics of Growth and Development	4	3	1	
2	MEC302	International Economics	4	3	1	
3	MEC303	Research Methodology and Data Analysis using SPSS	2	2		
		<b>Lab:</b> SPSS and LaTeX	2			2
4	<b>Elective-III: Any one of the following</b>		4	3	1	
	MEC311	Time Series Econometrics				
	MEC312	Entrepreneurship Development				
	MEC313	Insurance Economics				
5	MEC314	*IDE-III: MOOCs	3	3		
6	MEC315	Mathematical Building and Financial Literacy	4	3	1	
7	MEC316	Summer Internship Programme	2			2
<b>Total</b>			<b>25</b>	<b>17</b>	<b>4</b>	<b>4</b>
<b>Semester IV</b>						
1	MEC401	Indian Economy	4	3	1	
2	MEC411	Dissertation	16			16
<b>Total</b>			<b>20</b>	<b>3</b>	<b>1</b>	<b>16</b>
<b>Grand Total</b>			<b>91</b>	<b>52</b>	<b>10</b>	<b>24</b>



**Note : \*As per the choice of the students and the instructor**

**L: Lectures; S: Seminars; P: Practical; T: Tutorials**

### **Semester-Wise Credit Distribution**

<b>Semester</b>	<b>Total Credits</b>	<b>Cumulative credit at the end of the semester</b>
<b>I</b>	23	23
<b>II</b>	23	46
<b>III</b>	25	71
<b>IV</b>	20	91

**Required Credit :** The minimum required credit to be earned by the student to award the degree is 91. However, they can earn credits in excess of 91 by taking other courses. The upper limit will be 97 credits.

#### **Assessment Pattern:**

- **Theory Course:** 40% of internal [formative evaluation -- two best out of three tests (for a maximum of 15 marks each = 30 marks) - and seminar/ assignments/ attendance (10 marks)] and 60% (summative evaluation - semester end examination).
- **Lab Components:** 60% of internal exam/lab and 40% (summative evaluation - semester end examination).

**End Semester Examination:** Maximum Marks: 60 Time: 3 Hours

**Dissertation/Project Report:** Evaluation: 60 marks Viva-Voce: 40 marks





### **Important Information to Students**

- I. Eligibility: A Bachelor's degree in Economics with at least 50% marks in aggregate and at least 50% marks in Economics; Or Bachelor's degree with at least 60% marks in any of the allied subjects viz. Commerce, Statistics, Mathematics, Engineering or any of the Social Sciences subjects.
- II. The minimum duration for completion of the programme is four semesters (two academic years) and the maximum duration is eight semesters (four academic years) or as per amendments made by the regulatory bodies from time to time.
- III. A student should attend at least 75% of the classes, seminars, practicals in each course of study.
- IV. 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%.
- V. 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%.
- VI. 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.
- VII. 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.
- VIII. 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. Re-evaluation is applicable only for theory papers and shall not be entertained for other components such as practicals/ thesis/dissertation/internship, etc.



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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

- IX. 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.
- X. 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).
- XI. Students failing a course due to lack of attendance should redo the course.
- XII. Re-evaluation is applicable only for SEE papers and shall not be entertained for other components such as lab/practical /thesis/ dissertation/ internship etc.
- XIII. An on-campus elective course is offered only if 10 or 50% of the students registered, whichever is higher.