



**RULES AND REGULATIONS**  
**FOR THE**  
**FOUR YEAR DEGREE**  
**PROGRAMMES IN ENGINEERING**



**UNIVERSITY COLLEGE OF ENGINEERING**  
**(AUTONOMOUS)**  
**OSMANIA UNIVERSITY**  
**HYDERABAD – 500 007, TELANGANA STATE**  
With effect from 2015-2016

# **B.E. PROGRAMMES**

## **(Full-Time)**

### **RULES & REGULATIONS**

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**RULES AND REGULATIONS**  
**for the Four Year Degree Programs in Engineering**  
**University College of Engineering (Autonomous)**  
**Osmania University**  
**Hyderabad – 500 007, Telangana State**  
**(With effect from the academic year 2015 -2016)**

- Note:** 1. All the Rules and Regulations, hereinafter specified shall be read as a whole for the purpose of interpretation
2. Any reference to College in these Rules and Regulations, stands for University College of Engineering (Autonomous)

**I ADMISSION**

1. A candidate for admission to the Four Year Degree Program in Engineering must have passed the Intermediate Examination of the Board of Intermediate Education, Government of Telangana with Mathematics, Physics and Chemistry as optional courses, or any other examination recognised by the Osmania University as equivalent thereto.
2. All the eligible applicants shall have to qualify at the common Entrance Examination. The candidates will be admitted strictly in accordance with the merit secured at the Entrance Examination conducted by the state government of Telangana, keeping in view the Rules in force regarding the reservations of seats to various categories of candidates.

**II DURATION AND PROGRAM OF STUDY**

1. The duration of the program is eight semesters (four years) I, II, III, IV, V, VI, VII and VIII semesters. Each academic year shall comprise of two semesters.

Instruction -----90 working days

Preparation holidays (includes practical exams) ----2 weeks

**No admission / readmission / promotion is to be made after four weeks of the commencement of instruction.**

**In case there are any court cases consequent to which the**

**authorities are compelled to admit any candidate after the announced last date of admissions, the admission (seat) of such a student would be reserved for the subsequent year on a supernumerary basis.**

No refund of Tuition fee will be made after the commencement of Instruction.

2. The following programs of study are offered in the College.
  - i) Bio-Medical Engineering
  - ii) Civil Engineering
  - iii) Computer Science and Engineering
  - iv) Electrical and Electronics Engineering
  - v) Electronics and Communication Engineering
  - vi) Mechanical Engineering

The schedule of study of all programs is regulated by the Academic Council of the University College of Engineering (Autonomous).

3. Each candidate will be allotted to one of the programs at the time of admission, strictly depending on the merit secured at the Entrance Examination, and subject to the rules in force regarding reservations of seats.
4. Candidate who fails to fulfill all the requirements for the award of the degree as specified hereinafter within eight academic years from the time of admission, will forfeit his/her seat in the program and his/her admission will stand cancelled automatically.

### **III RULES AND REGULATIONS OF ATTENDANCE**

1. Candidates admitted to a particular program of study are required to pursue a "Regular program of study" before they are permitted to appear for the University Examination.
2. "A regular program of study" means putting in attendance of not less than 75%.
3. a) In special cases and for sufficient cause shown, the Vice-Chancellor may, on the specific recommendation of the Principal/Head of the Department, condone the deficiency in attendance to the extent of 10% on medical grounds

subject to submission of medical certificate and payment of condonation fee.

- b) However, in respect of women candidates who seek condonation of attendance due to pregnancy, the Vice-Chancellor may condone the deficiency in attendance to the extent of 15% (as against 10% Condonation for others) on medical grounds subject to submission of medical certificate to this effect. Such condonation shall not be availed twice during the program of study.
4. The fee for condonation of attendance on medical grounds shall be **Rs.1000/-payable** through Demand Draft drawn in favour of the "**Principal, UCE, O.U.**"
5. "Attendance of N.C.C/N.S.S Camps or Inter collegiate or Inter University or Inter State or International matches or debates or Educational Excursions or such other Inter University activities as approved by the authorities involving journeys outside the city in which the college is situated will not be counted as absence. However, such 'absence shall not exceed (4) weeks per semester of the total period of instructions. Such leave should not be availed twice during the program of study.
6. The attendance shall be calculated on the aggregate of the papers / courses from the date of commencement of classes / date of readmission in case of detained candidates as per the almanac communicated by the University College of Engineering.
7. In case of the candidates who fail to put in the required attendance in a program of study, he/she shall be detained in the same class and will not be permitted to appear for the University examination. Such candidates shall have to seek readmission into the same class during the subsequent year in order to appear for the examination after fulfilling the attendance requirements, and on payment of requisite tuition fee.

8. a) Candidates admitted to the first year through an entrance test and do not have the requisite attendance but have not less than 40% attendance can seek readmission without once again appearing for the entrance test.
- b) In respect of candidates of such programs where the admissions are governed through an entrance test, candidates of I year I semester who do not have the minimum 40% attendance would lose their seat and they will have to seek admission afresh by appearing at the entrance test once again.

#### IV SCHEME OF INSTRUCTION AND EXAMINATION

1. Instruction in the various courses in each semester of all the four years, shall be provided by the College as per the schemes of instruction and syllabi prescribed
2. The distribution of marks/grade\* for sessionals based on **Continuous Internal Evaluation (CIE)** and the **Semester End Examination (SEE)** shall be as follows:

Subject	Continuous Internal Evaluation (CIE)	Semester End Examination (SEE)
Each theory Course	30**	70****
Each practical or drawing Course for which less than 6 hours/week are provided in the scheme of instruction	25***	50
Each practical or drawing Course for which 6 or more hours /week are provided in the scheme of instruction	50***	50
Project	50#	100##

\*Grades are allotted based on the marks secured i.e marks = CIE + SEE

Academic Performance	Letter Grade	Grade Points
Marks $\geq$ 90%	S	10
80 % $\leq$ Marks < 90%	A	09
70 % $\leq$ Marks < 80%	B	08
60 % $\leq$ Marks < 70%	C	07
50 % $\leq$ Marks < 60%	D	06
40 % $\leq$ Marks < 50%	E	05
Marks < 40 %	F	0

- \*\* Out of 30 sessional marks for theory, 10 marks are allotted for Assignments/miniproject/Quizzes etc., in the course, the rest of the marks to be based on Internal Tests; weightage for each test is 10 marks.  
Two internal tests will be conducted in each semester. Each test will carry 20 marks, out of which 6 marks for Part-A consisting of objective and short answer questions and 14 marks for Part-B consisting of subjective questions. Average of two tests plus marks obtained in assignments/tutorials/quizzes etc will be taken as sessional marks.
- \*\*\* Out of 25 or 50 CIE marks for Practical, 10 or 20 are allotted for viva-voce exam/test, 15 or 30 marks for laboratory record and observation.
- \*\*\*\* The question paper will be in two parts, Part-A and Part-B. Part-A is compulsory and covers the entire syllabus, and carries 20 marks. Part-B carries 50 marks and covers all the units of the syllabus.
- # Out of 50 project sessional marks, 25 marks are awarded by the guide/supervisor and remaining 25 are awarded by the subject expert committee constituted by the concerned H of the dept.
- ## The evaluation of BE project for maximum of 100 marks will be done as per guidelines given below:
- (i) **40 Marks** are allocated for quality of the project work covering (a) Literature review, (b) Innovation / Originality, (c) Methodology and (d) Relevance / Practical application.
  - (ii) **30 Marks** are allocated to Report writing /Documentation.
  - (iii) **30 Marks** are allocated for candidates performance in terms of his/her viva-voce examination and overall subject knowledge.

**Note:** A course that has sessional marks but no University examination as per scheme is treated as Pass/Fail course for which pass marks are 40% of sessional.

3. The details of instruction period, examination schedule, vacation etc. shall be notified by the Principal of the College.
4. The medium of instruction and examination shall be English.
5. At the end of each semester, SEE shall be conducted as prescribed in the respective Schemes of Examination. The examinations pertaining to the semester just ended, will be called, main examinations and the examinations pertaining to the other semesters will be called supplementary examinations.  
To enable the B.E. VIII semester students to complete the program requirements in time, there shall be a Make-up Exam; for VIII semester only, which is scheduled within one month after publication of results of VIII semester Main Examinations.
6. The examinations prescribed may be conducted by means of written papers, practical and oral tests, inspection of certified sessional work in Drawing and Laboratories and Workshop, or by means of any combination of these methods as may be deemed necessary.  
Candidates will be required to produce complete Lab Records of the Practical work done by them in each practical examination, along with other materials prepared or collected as part of Lab. Work / Project.
7. All the general rules for examinations (given under IX) shall be adhered to.
8. A candidate shall be deemed to have fully passed the Course, if he/she secures not less than the minimum marks/grade as prescribed. Minimum pass marks / grade in the SEE plus CIE marks shall be.

Each theory course .....	--- 40%	E Grade
Each practical course and project work	---- 50%	D Grade

9. If a candidate in any semester examination of the program fails to secure the minimum marks/grade in any subject, then he/she shall have to appear only in the failed subject of the semester.



## V RULES OF PROMOTION

Rules of promotion are as under:

Sl. No.	Semester/Class	Conditions to be fulfilled for Promotion	
1.	From I Semester to II Semester	Regular program of study of BE I Semester	
	From II Semester to III Semester	a) Regular program of study of BE II Semester b) Must have earned at least 50% of credits prescribed for BE I Semester and II Semester put together. The number of credits a candidate can have as backlogs are as under.	
		No. of credits prescribed for I Sem and II Sem	No. of credits permitted as backlogs*
		39/40	20
		41/42	21
		43/44	22
2.	From III Semester to IV Semester	Regular program of study of BE III Semester	
3.	From IV Semester to V Semester	a) Regular program of study of BE IV Semester b) No. of backlog credits, if any of BE I,II,III and IV Semester put together shall not exceed 50% of the total number of credits prescribed for the BE III & IV Semester	
		No. of credits prescribed for III & IV Semester	No. of credits permitted as backlogs
		45/46	23
		47/48	24
		49/50	25
4.	From V Semester to VI Semester	Regular program of study of BE V Semester	
5.	From VI Semester to VII Semester	a) Regular program of study of BE VI Semester b) No. of backlogs, if any of BE I to VI Semester put together shall not exceed to 50% of the total number of credits prescribed for the BE V & VI Semester	
		No. of credits prescribed for V and VI Semester	No. of credits permitted as backlogs
		45/46	23
		47/48	24
		49/50	25
6.	From VII Semester to VIII Semester	Regular program of study of BE VII Semester	

- \*Note:** 1. If a candidate is has more than permitted number of credits as backlogs, he/she will be detained. The candidate who wishes to take readmission into the year in which he/she is detained has to pay the total tuition fee of that year and all the credits earned during that year shall become null and void.
2. If the number of credits permitted as backlogs turned to be fraction, the credits are rounded to next higher digit.

## VI GRADING SYSTEM

1. Candidates who have passed all the examinations of the B.E. Degree Program shall be awarded Division in accordance with the grades secured by them in all eight Semesters taken together, including the sessional marks secured in those semesters.

The grade secured shall be shown in the memorandum of marks as per the performance in SEE including CIE.

A minimum Cumulative Grade Point Average (CGPA) of 5 is required for the award of Degree. The consolidated memorandum of marks will reflect the credits / grade scored in each subject.

2. **Semester Grade Point Average (SGPA) & CGPA Calculation:**

$$(a) \text{ SGPA} = \frac{\sum \text{Letter Grade Point} \times \text{Credits}}{\sum \text{Credits}}$$

SGPA is calculated upto second decimal point

SGPA is calculated only when all subjects in that semester are Cleared / Passed

$$(b) \text{ CGPA} = \frac{\sum (\text{SGPA})_j \times (\text{Total Credits})}{\sum (\text{Total Credits})}$$

CGPA at a given point of Semester is calculated upto second decimal point

CGPA is calculated only when total credits earned are equal to total credits prescribed as per scheme up to a semester in which the candidate has last appeared for SEE.

(c) Pass / Fail courses are not included in computing SGPA/CGPA.

## VII AWARD OF DEGREE

The degree of bachelor of engineering will be conferred on candidate who has pursued a regular program of study of four academic years as hereinafter prescribed in the scheme of instruction and has passed all the examinations as prescribed in the scheme of examinations

### 1. Award of Division

CGPA 7.5 and above	<b>First Class with Distinction</b>
CGPA 6.5 and above but less than 7.5	<b>First Class</b>
CGPA 5.5 and above but less than 6.5	<b>Second Class</b>
CGPA 5.0 and above but less than 5.5	<b>Pass Class</b>

### 2. Award of Gold Medal

A student securing highest CGPA in **single attempt** is eligible for award of Gold Medal.

## VIII IMPROVEMENT OF OVERALL SCORE

1. A candidate who wishes to improve his/her Overall score may do so within one academic year immediately after having passed all the examinations of the B.E. degree program, by reappearing at not more than two semesters (all subjects pertaining to the semester taken together) examinations. For the award of the Overall score, he/she will have the benefit of the higher of the two aggregates of marks / grades secured in the corresponding semester(s).

2. In case of candidates who have secured CGPA less than 5 may appear for improvement in individual subjects, to become eligible for the award of Degree within one year from the date of completion of VIII semester.

## **IX GENERAL RULES OF EXAMINATIONS**

1. Application for permission to appear at every examination shall be made on the prescribed form, accompanied by three passport size full face photographs (not profile) which along with the necessary certificates regarding attendance, practical work, etc., and the prescribed fee, should be sent to the Head/Principal, University College of Engineering (Autonomous), on or before the date fixed for this purpose.
2. When a candidate's application is found in order and he/she is eligible to appear at an Examination, the Director of Evaluation, Examination Cell, University College of Engineering (Autonomous) shall furnish him with a Hall-Ticket, enabling the candidate to appear in the Examination, and this Hall-Ticket shall have to be produced by the Candidate before he/she is admitted to the premises where the Examination is conducted.
3. A Candidate who does not present himself/herself for the examination for any reason whatsoever, excepting shortage of attendance, shall not be entitled to claim refund of the whole or part of the examination fee, for subsequent Examination(s).
4. A candidate after he/she has been declared successful in the whole examination, shall be given a provisional certificate setting forth the year of examination, the subjects in which he/she was examined and, the overall grade secured. However, the candidates have to obtain degree certificate (convocation) from the University examination branch.

5. No candidate shall be allowed to put in attendance for a program or appear at examinations for different degrees and different faculties at one and the same time.
6. Students who have appeared once at any examination of the program need not put in fresh attendance, if they wish to reappear at the corresponding examination, notwithstanding the fact that the college may have introduced new courses. They will, however, have to appear at the examinations according to the scheme of examination any syllabi in force.

#### **X. TRANSITORY REGULATIONS**

Whenever a course or scheme of instruction is changed in a particular semester/year, two more examinations immediately following thereafter shall be conducted according to the old syllabus /regulations. Candidates not appearing at the examinations or failing in them shall take the examination subsequently according to the changed syllabus /regulations.

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