



Sant Gadge Baba Amravati University, Amravati

*Scheme of Implementation for
Four Year Undergraduate Degree Programme in Engineering and Technology*

B.E. ELECTRICAL ENGINEERING (ELECTRONICS & POWER)

*In the faculty of
Science and Technology*

ACADEMICEVALUATIONSCHEME/CREDITSYSTEM

Year: 2024-25

(Scheme of Teaching, Learning, Examination & Evaluation w.e.f.2024-2025andonwards)

Scheme for First Year - Four Year Undergraduate Engineering Degree Programme
Semester -I – [Common for all branches]

SN	Course Name	Code	Course Plan per Week (Hrs.)				Credits	Theory Evaluation				Theory (Total)		Practical Evaluation				Practical (Total)		ESE Time (Hours)	
			L	P	T	Hrs.		External		Internal				External		Internal					
								Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks				
	Core Courses																				
1	Applied Mathematics -I	1AL100BS	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.	
2	Engineering Physics	1AL101BS	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.	
3	Computer Programming	1AL102ES	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.	
4	Engineering Mechanics	1AL103ES	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.	
	Laboratory Courses																				
5	Engineering Physics Lab	1AL104BS	0	2	0	2	1							25	10	25	10	50	25		
6	Computer Programming Lab	1AL105ES	0	2	0	2	1							25	10	25	10	50	25		
7	Engineering Mechanics Lab	1AL106ES	0	2	0	2	1							25	10	25	10	50	25		
8	Engineering Workshop	1AL107ES	0	2	0	2	1							25	10	25	10	50	25		
	Vocational and Skill Enhancement Courses (VSEC)																				
9	Electrical Workshop	1EP108VS	1	2	0	3	2									50	25	50	25		
	Ability Enhancement Courses (ACE)																				
10	Professional Communication	1AL109AE	1	2	0	3	2							25	10	25	10	50	25		
	Co-curricular course (CC)																				
11	Co-curricular Course	1AL110CC	0	4	0	4	2									50	25	50	25		
	TOTAL		14	16	0	30	22					400						350			

Note: Six hours per week are allotted for continuous evaluation process for the above subjects. (Total contact hours per week=34Hours)

Scheme for First Year - Four Year Undergraduate Engineering Degree Programme Semester -II – [Common for all branches]																					
SN	Course Name	Code	Course Plan per Week (Hrs.)				Credits	Theory Evaluation				Theory (Total)		Practical Evaluation				Practical (Total)		ESE Time (Hours)	
			L	P	T	Hrs.		External		Internal				External		Internal					
								Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks				
	Core Courses																				
1	Applied Mathematics -II	2AL111BS	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.	
2	Engineering Chemistry	2AL112BS	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.	
3	Basic Electrical Engineering	2AL113ES	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.	
4	Engineering Graphics	2AL114ES	2	0	0	2	2	60	18	40	12	100	40							3.00 Hrs.	
	Laboratory Courses																				
5	Engineering Chemistry Lab	2AL115BS	0	2	0	2	1							25	10	25	10	50	25		
6	Basic Electrical Engineering Lab	2AL116ES	0	2	0	2	1							25	10	25	10	50	25		
7	Engineering Graphics Lab	2AL117ES	0	2	0	2	1							25	10	25	10	50	25		
	Vocational and Skill Enhancement Courses (VSEC)																				
8	Electronics Workshop	2EP118VS	1	2	0	3	2									50	25	50	25		
	Programme Core Course (PCC)																				
9	Generation of Electrical Energy	2EP119PC	2	0	0	2	2	30	09	20	06	50	20							2.00 Hrs.	
	Indian Knowledge System (IKS)																				
10	Indian Traditional Knowledge	2AL120IK	2	0	0	2	2	30	09	20	06	50	20							2.00 Hrs.	
	Co-curricular Course (CC)																				
11	Co-curricular Course	2AL121CC	0	4	0	4	2									50	25	50	25		
	TOTAL		16	12	0	28	22					500						250			

Note: Six hours per week are allotted for continuous evaluation process for the above subjects. (Total contact hours per week=34Hours)

Scheme for Multiple Entry and Exit

Exit option 1 (L4.5): Award of UG Certificate in Major with 44 credits and an additional 8 credits.				
Exit Courses				
1	3EP241EC	Electrification of building	Work based vocational courses/training during summer vacation. (Minimum 4 Week/course)	4
2	3EP242EC	Repairing and maintenance of domestic Appliances		4
OR				
3	3EP404EL	Internship / Apprenticeship	During summer vacation (Minimum 8 Week)	8

Scheme for Second Year -Four Year UG Engineering Degree Programme
B. E. Electrical Engineering (Electronics & Power)
(Semester-III)

SN	Course Name	Code	Course Plan per Week (Hrs.)				Credits	Theory Evaluation				Theory (Total)		Practical Evaluation				Practical (Total)		ESE Time (Hours)
			L	P	T	Hrs.		External		Internal				External		Internal				
								Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks			
	Core Courses																			
1	Numerical Methods & Optimization Techniques	3EP200PC	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
2	Electrical Circuit Analysis	3EP201PC	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
3	Electrical Measurements and Instrumentation	3EP202PC	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
	Laboratory Courses																			
5	Community Engagement Project/ Field Project (related to Major)	3EP400EL	0	4	0	4	2							25	10	25	10	50	25	
6	Electrical Circuit Analysis Lab	3EP203PC	0	2	0	2	1							25	10	25	10	50	25	
7	Electrical Measurements and Instrumentation Lab	3EP204PC	0	2	0	2	1							25	10	25	10	50	25	
	Multi-Disciplinary Minor (MDM)																			
8	Electrical Energy Generation	3EP205MD	2	0	0	2	2	30	09	20	06	50	20							2.00 Hrs.
	Open Elective other than a particular Program																			
9	Open Elective I	3EP206OE	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
	HSSMC (Entrepreneurship/ Economics/ Management Course)																			
10	Entrepreneurship Development	3EP207EM	2	0	0	2	2	30	09	20	06	50	20							2.00 Hrs.
	Value Education Course (VEC)																			
11	Environmental Science	3AL208VE	2	0	0	2	2	30	09	20	06	50	20							2.00 Hrs.
	TOTAL		18	08	0	26	22					550						150		

Open Elective I: 1.Power Supply System (3EP206OE1), 2. Energy Generation& Utilization (3EP206OE2)

Note:Six hours per week are allotted for continuous evaluation process for the above subjects.(Total contact hours per week=34Hours)

Scheme for Second Year - Four Year UG Engineering Degree Programme
B. E. Electrical Engineering (Electronics & Power)
(Semester-IV)

SN	Course Name	Code	Course Plan per Week (Hrs.)				Credits	Theory Evaluation				Theory (Total)		Practical Evaluation				Practical (Total)		ESE Time (Hours)
			L	P	T	Hrs.		External		Internal				External		Internal				
								Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks			
	Core Courses																			
1	Electrical Machines – I	4EP209PC	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
2	Control System	4EP210PC	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
3	Electromagnetic Fields	4EP211PC	2	0	0	2	2	60	18	40	12	100	40							3.00 Hrs.
	Laboratory Courses																			
4	Electrical Machines - I lab	4EP212PC	0	2	0	2	1							25	10	25	10	50	25	
5	Control System Lab	4EP213PC	0	2	0	2	1							25	10	25	10	50	25	
	Multi-Disciplinary Minor (MDM)																			
6	Electrical Measurements	4EP214MD	2	0	0	2	2	30	09	20	06	50	20							2.00 Hrs
	Vocational & Skill Enhancement Courses (VSEC)																			
7	Electrical Software Lab	4EP215VS	1	2	0	3	2									50	25	50	25	
	Open Elective other than a particular Program																			
8	Open Elective II	4EP216OE	2	0	0	2	2	30	09	20	06	50	20							2.00 Hrs.
	HSSMC (Entrepreneurship/ Economics/ Management Course)																			
9	Engineering Economics	4EP217EM	2	0	0	2	2	30	09	20	06	50	20							2.00 Hrs.
	Ability Enhancement Courses (AEC)																			
10	Modern Indian Language	4AL218AE	2	0	0	2	2							25	10	25	10	50	25	
	Value Education Course (VEC)																			
11	Universal Human Values	4AL219VE	2	0	0	2	2	30	09	20	06	50	20							2.00 Hrs.
	TOTAL		19	06	0	25	22					500						200		

Open Elective II: 1. Electrical Drives(4EP216OE1) 2.Electrical Machines(4EP216OE2)

Note:Six hours per week are allotted for continuous evaluation process for the above subjects.(Total contact hours per week=34Hours)

Scheme for Multiple Entry and Exit

Exit option 2 (L5.0): Award of UG Diploma in Major with 88 credits and an additional 8 credits				
Exit Courses				
1	5EP243EC	Electrical Panel Design and Implementation	Work based vocational courses/training during summer vacation. (Minimum 4 Week/course)	4
2	5EP244EC	Repairing and maintenance of Electrical Machines		4
OR				
3	5EP405EL	Internship / Apprenticeship	During Summer Vacation (Minimum 8 Week)	8

Scheme for Third Year - Four Year UG Engineering Degree Programme B. E. Electrical Engineering (Electronics & Power) (Semester-V)																				
SN	Course Name	Code	Course Plan per Week (Hrs.)				Credits	Theory Evaluation				Theory (Total)		Practical Evaluation				Practical (Total)		ESE Time (Hours)
			L	P	T	Hrs.		External		Internal				External		Internal				
								Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks			
	Core Courses																			
1	Electronics Components & Circuits	5EP220PC	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
2	Electrical Machines – II	5EP221PC	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
3	Power System – I	5EP222PC	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
4	Program Elective Course – I	5EP223PE	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
	Laboratory Courses																			
5	Electronics Components & Circuits Lab	5EP224PC	0	2	0	2	1							25	10	25	10	50	25	
6	Electrical Machines – II Lab	5EP225PC	0	2	0	2	1							25	10	25	10	50	25	
7	Power System – I Lab	5EP226PC	0	2	0	2	1							25	10	25	10	50	25	
	Multi-Disciplinary Minor (MDM)																			
8	DC Machines	5EP227MD	2	0	0	2	2	30	09	20	06	50	20							2.00 Hrs.
9	AC Machines	5EP228MD	2	0	0	2	2	30	09	20	06	50	20							2.00 Hrs.
10	Electrical Machines Lab	5EP229MD	0	2	0	2	1							25	10	25	10	50	25	
	Open Elective other than a particular Program																			
11	Open Elective III	5EP230OE	2	0	0	2	2	30	09	20	06	50	20							2.00 Hrs.
	TOTAL		18	08	0	26	22					550						200		

Program Elective Course-I: 1. Advanced Control System (5EP223PE1), 2. Industrial Automation (5EP223PE2) 3. Process Control System (5EP223PE3)

Open Elective III: 1. Energy Audit & Management (5EP230OE1) 2. Electrical Estimation & Costing (5EP230OE2)

Note: Six hours per week are allotted for continuous evaluation process for the above subjects. (Total contact hours per week = 34 Hours)

Scheme for Third Year -Four Year UG Engineering Degree Programme
B. E. Electrical Engineering (Electronics & Power)
(Semester-VI)

SN	Course Name	Code	Course Plan per Week (Hrs.)				Credits	Theory Evaluation				Theory (Total)		Practical Evaluation				Practical (Total)		ESE Time (Hours)
			L	P	T	Hrs.		External		Internal				External		Internal				
								Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks			
	Core Courses																			
1	Power Electronics	6EP231PC	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
2	Microprocessor & Microcontroller	6EP232PC	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
3	Power System – II	6EP233PC	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
4	Program Elective Course-II	6EP234PE	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
5	Program Elective Course-III	6EP235PE	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
	Laboratory Courses																			
6	Power Electronics Lab	6EP236PC	0	2	0	2	1							25	10	25	10	50	25	
7	Microprocessor & Microcontroller Lab	6EP237PC	0	2	0	2	1							25	10	25	10	50	25	
8	Power System – II Lab	6EP238PC	0	2	0	2	1							25	10	25	10	50	25	
	Multi-Disciplinary Minor (MDM)																			
9	Basic Power System	6EP239MD	2	0	0	2	2	30	09	20	06	50	20							2.00 Hrs.
	Vocational and Skill Enhancement Courses																			
10	PLC &Industrial Automation Lab	6EP240VS	1	2	0	3	2									50	25	50	25	
	TOTAL		18	08	0	26	22					550						200		

Program Elective Course-II: 1. Electrical Energy Distribution & Utilization (6EP234PE1) 2. Electrical Distribution & Substation Automation(6EP234PE2)
3. Electrical Estimation & Costing(6EP234PE3)

Program Elective Course-III: 1. Electrical Machine Design (6EP235PE1) 2. Generalized Machine Theory (6EP235PE2) ,3. Electrical Drives & Control (6EP235PE3)

Note: Six hours per week are allotted for continuous evaluation process for the above subjects. (Total contact hours per week=34Hours)

Scheme for Multiple Entry and Exit

Exit option 3 (L5.5): Award of UG Degree in Major with 132 credits and an additional 8 credits				
Exit Courses				
1	7EP310EC	Industrial Electrical systems installation and maintenance	Work based vocational courses/training during summer vacation. (Minimum 4 Week/course)	4
2	7EP311EC	PCB Design and Circuit Simulation		4
OR				
3	7EP406EL	Internship / Apprenticeship	During Summer vacation (Minimum 8 week)	8

Scheme for Fourth Year - Four Year UG Engineering Degree Programme
B. E. Electrical Engineering (Electronics & Power)
(Semester-VII)

SN	Course Name	Code	Course Plan per Week (Hrs.)				Credits	Theory Evaluation				Theory (Total)		Practical Evaluation				Practical (Total)		ESE Time (Hours)
			L	P	T	Hrs.		External		Internal				External		Internal				
								Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks			
	Core Courses																			
1	Power System Protection	7EP300PC	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
2	Digital Signal Processing	7EP301PC	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
3	Program Elective Course-IV	7EP302PE	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
4	Program Elective Course-V	7EP303PE	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
5	Program Elective Course-VI	7EP304PE	3	0	0	3	3	60	18	40	12	100	40							3.00 Hrs.
	Laboratory Courses																			
6	Power System Protection lab	7EP305PC	0	2	0	2	1							25	10	25	10	50	25	
7	Digital Signal Processing lab	7EP306PC	0	2	0	2	1							25	10	25	10	50	25	
	Multi-Disciplinary Minor (MDM)																			
8	Energy Audit & Management	7EP307MD	2	0	0	2	2	30	09	20	06	50	20							2.00 Hrs.
9	Power System Lab	7EP308MD	0	2	0	2	1							25	10	25	10	50	25	
	Project																			
10	Project	7EP401PR	0	4	0	4	2									100	50	100	50	
	TOTAL		17	10	0	27	22					550						250		

Program Elective Course-IV: 1. Power System Operation & Control (7EP302PE1), 2. Smart Grid Technology(7EP302PE2), 3. Energy Audit & Management (7EP302PE3)

Program Elective Course-V: 1. Power Quality & Mitigation Techniques (7EP303PE1), 2. High Voltage Engineering (7EP303PE2), 3. HVDC & FACTS (7EP303PE3)

Program Elective Course-VI: 1. Computer Methods in Power System Analysis (7EP304PE1), 2. Artificial Intelligence (7EP304PE2), 3. Electric & Hybrid Vehicle(7EP304PE3)

Note: Six hours per week are allotted for continuous evaluation process for the above subjects. (Total contact hours per week=34Hours)

Scheme for Fourth Year -Four Year UG Engineering Degree Programme
B. E. Electrical Engineering (Electronics & Power)
(Semester-VIII)

SN	Course Name	Code	Course Plan per Week (Hrs.)				Credits	Theory Evaluation				Theory (Total)		Practical Evaluation				Practical (Total)		ESE Time (Hours)
			L	P	T	Hrs.		External		Internal				External		Internal				
								Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks			
	Core Courses																			
1	Research Methodology	8EP309RM	4*	0	0	4	4	60	18	40	12	100	40							3.00 Hrs.
2	Industry Internship	8EP402EL	0	24	0	24	12							200	80	100	40	300	150	
3	Project	8EP403PR	0	4	0	4	2							50	20	50	20	100	50	
	TOTAL		04	28	0	32	18					100						400		

L: Lecture P: Practical T : Tutorial ESE: End Semester Exam IE: Internal Evaluation INT: Internal EXT: External

*** The course on Research Methodology is supposed to be completed by the student in Online mode (Swayam, MOOC's, any other platform approved by AICTE OR on the LMS platform offered by the Institute).**

B.E.ELECTRICAL ENGINEERING(ELECTRONICS & POWER)**Multi-Disciplinary Minors (14Credits)**

SEM	CourseCode	CourseType	Credit		CourseTitle
			T	P	
SemIII	3EP205MD	MDM-I	2	0	Electrical Energy Generation
SemIV	4EP214MD	MDM-II	2	0	Electrical Measurements
SemV	5EP227MD	MDM-III	2	0	DC Machines
	5EP228MD	MDM-IV	2	0	AC Machines
	5EP229MD	MDMLab.-I	0	1	Electrical Machines Lab
SemVI	6EP239MD	MDM-V	2	0	Basic Power System
SemVII	7EP307MD	MDM-VI	2	0	Energy Audit & Management
	7EP308MD	MDMLab.-II	0	1	Power System Lab
			12	02	
		Total	14		

PROGRAM ELECTIVE COURSES				
SEMESTER		CODE	TITLE	CREDIT
V	PEC I	5EP223PE1	Advanced Control System	03
		5EP223PE2	Industrial Automation	03
		5EP223PE3	Process Control System	03
VI	PEC II	6EP234PE 1	Electrical Energy Distribution & Utilization	03
		6EP234PE 2	Electrical Distribution & Substation Automation	03
		6EP234PE 3	Electrical Estimation & Costing	03
	PEC III	6EP235PE1	Electrical Machine Design	03
		6EP235PE2	Generalized Machine Theory	03
		6EP235PE3	Electrical Drives & Control	03
VII	PEC IV	7EP302PE1	. Power Quality & Mitigation Techniques	03
		7EP302PE2	Smart Grid Technology	03
		7EP302PE3	Energy Audit & Management	03
	PEC V	7EP303PE1	Power Quality & Mitigation Techniques	03
		7EP303PE2	. High Voltage Engineering	03
		7EP303PE3	HVDC & FACTS	03
	PEC VI	7EP304PE1	Computer Methods in Power System Analysis	03
		7EP304PE2	Artificial Intelligence	03
		7EP304PE3	. Electric & Hybrid Vehicle	03

OPEN ELECTIVE COURSES				
SEMESTER		CODE	TITLE	CREDIT
III	OE I	3EP206OE1	PowerSupply System	03
		3EP206OE2	Energy Generation & Utilization	03
IV	OE II	4EP216OE1	Electrical Drives	02
		4EP216OE2	Electrical Machines	02
V	OE III	5EP230OE1	Energy Audit &Management	02
		5EP230OE2	Electrical Estimation &Costing	02

Multidisciplinary Double Minor (Specialization), Honors and Honors with Research in Electrical Engineering / Electrical (Electronics & Power) Engineering

1. Double Minor (Multidisciplinary and Specialization Minor)

Under Bachelor's Engineering / Technology Degree in chosen Major Engineering / Technology Discipline with Double Minor (Multidisciplinary and Specialization Minor, 180-194 credits), students would take up five-six additional courses of 18 credits in another Engineering / Technology discipline/ Emerging Areas Specialization distributed over semesters III to VIII.

2. Honors Degree

The Bachelor's Engineering / Technology Honors Degree in chosen Major Engineering / Technology Discipline with Multidisciplinary Minor (180-194 credits) enables students to take up five-six additional courses in the **same** Engineering. / Tech. discipline of 18 credits distributed over semesters III to VIII.

3. Honors with Research

For BE Honors with Research in Electrical Engineering / Electrical (Electronics & Power) Engineering students needs to complete a **Research Project** (on **Individual basis**) of **18 credits** in VII (7EP408HR) & VIII (EP409HR) semester.

***Eligibility for admission to the UG Bachelor's Degree with Double Minor/ Honors /Research as per UGC guidelines:**

Minimum CGPA/CPI of **7.5 or minimum 75%** after **second semester** for UG Bachelor's Degree with **Double Minor/Honors'** and Minimum CGPA/CPI of **7.5 or minimum 75%** after **sixth semester** for UG Bachelor's Degree with Research

Subject Tracks for Multidisciplinary Double Minor (Specialization) and Honors in Electrical Engineering / Electrical (Electronics & Power) Engineering

Track 1: E-Mobility

Semester	Sem III	Sem IV	Sem V	Sem VI	Sem VII
Subject	Electric Vehicle System and Architecture	Battery Management Systems	Vehicle Powertrain and Drive Systems	EV Charging Infrastructure and Smart Grids	Mini-project/ Industry training on EV for minimum duration of 2 weeks.
Code	3EP245DH1	4EP246DH1	5EP247DH1	3EP24DH1	7EP407DH1
Credits	04	04	04	04	02
Total Credits	18				

Track 2: Power System

Semester	Sem III	Sem IV	Sem V	Sem VI	Sem VII
Subject	Power System Restructuring	Advanced DC – AC Power Conversion	Grid Integration of Renewable Energy	Economic Evaluation of Power Projects	Mini-project/ Industry training on Power system for minimum duration of 2 weeks.
Code	3EP245DH2	4EP246DH2	5EP247DH2	3EP24DH2	7EP407DH2
Credits	04	04	04	04	02
Total Credits	18				

Nomenclature:

Acronym	Course/Subject Vertical
BS	Basic Science Course
ES	Engineering Science Course
EL	Experiential Learning
PC	Program Course
PE	Program Elective Course
MD	Multidisciplinary Minor Course
OE	Open Elective
VS	Vocational Skill Enhancement Course
AE	Ability Enhancement Course
EM	Entrepreneurship/Economics/Management Course
IK	Indian Knowledge System
VE	Value Education Course
RM	Research Methodology
FP	Field Project
PR	Project
CC	Co-curricular Course
EC	Exit Course
HR	Honors' with Research
DH	Double Minor/ Honors