| | CREDIT INFO | |
|------|--|---------|
| S.no | Catagory | Credits |
| 1 | Foundation Core - Basic Sciences and Mathematics | 24 |
| 2 | Foundation Core - Basic Engineering Sciences | 17 |
| 3 | Foundation Core - Humanities, Social Sciences and Management | 15 |
| 4 | Discipline-linked Engineering Sciences | 12 |
| 5 | Discipline Core | 68 |
| 6 | Discipline Elective | 30 |
| 7 | Projects and Internship | 35 |
| 8 | Open Elective | 15 |
| 9 | Non-graded Core Requirement | 11 |
| 10 | Bridge Course | 2 |
| | Total Credits | 216 |

| | Foundation Core - Basic Sciences and Mathematics | | | | | | | | | | | |
|-------|--|---------------------------------------|--------------|------------|---|---|---|---|---------|--|--|--|
| sl.no | Course Code | Course Title | Course Type | Ver sio | L | Т | Р | J | Credits | | | |
| 4 | ICLIVA041 | Facing oring Chamistry | The one Only | 1.0 | 2 | | 0 | | 3.0 | | | |
| 1 | ICHY101L | Engineering Chemistry | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 | | | |
| 2 | ICHY101P | Engineering Chemistry Lab | Lab Only | 1.0 | 0 | 0 | 2 | 0 | 1.0 | | | |
| 3 | IMAT101L | Calculus | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 | | | |
| 4 | IMAT101P | Calculus Lab | Lab Only | 1.0 | 0 | 0 | 2 | 0 | 1.0 | | | |
| 5 | IMAT102L | Differential Equations and Transforms | Theory Only | 1.0 | 3 | 1 | 0 | 0 | 4.0 | | | |
| 6 | IMAT202L | Probability and Statistics | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 | | | |
| 7 | IMAT202P | Probability and Statistics Lab | Lab Only | 1.0 | 0 | 0 | 2 | 0 | 1.0 | | | |
| 8 | IPHY101L | Engineering Physics | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 | | | |
| 9 | IPHY101P | Engineering Physics Lab | Lab Only | 1.0 | 0 | 0 | 2 | 0 | 1.0 | | | |

| | Foundation Core - Basic Engineering Sciences | | | | | | | | | | | | |
|-------|--|--|-------------------------|----------|---|---|---|---|---------|--|--|--|--|
| sl.no | Course Code | Course Title | Course Type | Ver | L | Т | Р | J | Credits | | | | |
| | | | | sio n | | | | | | | | | |
| 1 | ICSE101E | Computer Programming: Python | Embedded Theory and Lab | 1.0 | 1 | 0 | 4 | 0 | 3.0 | | | | |
| 2 | ICSE102L | Structured and Object Oriented Programming | Theory Only | 1.0 | 2 | 0 | 0 | 0 | 2.0 | | | | |
| 3 | ICSE102P | Structured and Object Oriented Programming Lab | Lab Only | 1.0 | 0 | 0 | 4 | 0 | 2.0 | | | | |
| 4 | ICSE103E | Computer Programming : Java | Embedded Theory and Lab | 1.0 | 1 | 0 | 4 | 0 | 3.0 | | | | |
| 5 | IEEE102L | Basic Electrical and Electronics Engineering | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 | | | | |
| 6 | IEEE102P | Basic Electrical and Electronics Engineering LAb | Lab Only | 1.0 | 0 | 0 | 2 | 0 | 1.0 | | | | |
| 7 | ISWE101L | Software Engineering | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 | | | | |

Report On: 14-06-2025 03:41:19 PM Page 1 of 21

| | Foundation Core - Humanities, Social Sciences and Management | | | | | | | | | | | |
|-------|--|-------------------------------------|-------------|------------|---|---|---|---|---------|--|--|--|
| sl.no | Course Code | Course Title | Course Type | Ver sio | L | Т | Р | J | Credits | | | |
| | | | | n | | | | | | | | |
| 1 | IENG101L | Technical English Communication | Theory Only | 1.0 | 2 | 0 | 0 | 0 | 2.0 | | | |
| 2 | IENG101P | Technical English Communication Lab | Lab Only | 1.0 | 0 | 0 | 2 | 0 | 1.0 | | | |
| 3 | IENG102P | Technical Report Writing | Lab Only | 1.0 | 0 | 0 | 2 | 0 | 1.0 | | | |
| 4 | IFLE200L | Foreign Language | Basket | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | |
| 5 | IHSM200L | Elective | Basket | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 6 | ISTS101P | Quantitative Skills Practice I | Soft Skill | 1.1 | 3 | 0 | 0 | 0 | 1.5 | | | |
| 7 | ISTS102P | Quantitative Skills Practice I | Soft Skill | 1.1 | 3 | 0 | 0 | 0 | 1.5 | | | |
| 8 | ISTS201P | Qualitative Skills Practice I | Soft Skill | 1.0 | 3 | 0 | 0 | 0 | 1.5 | | | |
| 9 | ISTS202P | Qualitative Skills Practice II | Soft Skill | 1.1 | 0 | 0 | 3 | 0 | 1.5 | | | |

| | Discipline-linked Engineering Sciences | | | | | | | | | | | |
|-------|--|---------------------------------------|-------------|-----------------|---|---|---|---|---------|--|--|--|
| sl.no | Course Code | Course Title | Course Type | Ver sio n | L | т | Р | J | Credits | | | |
| 1 | IMAT205L | Discrete Mathematics and Graph Theory | Theory Only | 1.0 | 3 | 1 | 0 | 0 | 4.0 | | | |
| 2 | ISWE201L | Digital Logic and Microprocessor | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 | | | |
| 3 | ISWE201P | Digital Logic and Microprocessor Lab | Lab Only | 1.0 | 0 | 0 | 2 | 0 | 1.0 | | | |
| 4 | ISWE401L | Embedded Systems and IoT | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 | | | |
| 5 | ISWE401P | Embedded Systems and IoT Lab | Lab Only | 1.0 | О | 0 | 2 | 0 | 1.0 | | | |

| | | Discipline Cor | ·e | | | | | | |
|-------|-------------|---|-------------|-----------------|---|---|---|---|---------|
| sl.no | Course Code | Course Title | Course Type | Ver sio n | L | Т | Р | J | Credits |
| 1 | ISWE102L | Data Structures and Algorithms | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 2 | ISWE102P | Data Structures and Algorithms Lab | Lab Only | 1.0 | 0 | 0 | 2 | 0 | 1.0 |
| 3 | ISWE103L | Database Systems | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 4 | ISWE103P | Database Systems Lab | Lab Only | 1.0 | 0 | 0 | 2 | 0 | 1.0 |
| 5 | ISWE202L | Requirements Engineering and Management | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 6 | ISWE203L | Theory of Computation | Theory Only | 1.0 | 3 | 1 | 0 | 0 | 4.0 |
| 7 | ISWE204L | Operating Systems | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 8 | ISWE204P | Operating Systems Lab | Lab Only | 1.0 | 0 | 0 | 2 | 0 | 1.0 |
| 9 | ISWE205L | Computer Networks | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 10 | ISWE205P | Computer Networks Lab | Lab Only | 1.0 | 0 | 0 | 2 | 0 | 1.0 |
| 11 | ISWE206L | Web Technologies | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 12 | ISWE206P | Web Technologies Lab | Lab Only | 1.0 | 0 | 0 | 2 | 0 | 1.0 |
| 13 | ISWE207L | Object Oriented and Analysis Design | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 14 | ISWE207P | Object Oriented and Analysis Design Lab | Lab Only | 1.0 | 0 | 0 | 2 | 0 | 1.0 |
| 15 | ISWE301L | Computer Architecture and Organization | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 16 | ISWE302L | Artificial Intelligence | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |

| | | Discipline Co | re | | | | | | |
|----|----------|--|-------------|-----|---|---|---|---|-----|
| 17 | ISWE302P | Artificial Intelligence Lab | Lab Only | 1.0 | 0 | 0 | 2 | 0 | 1.0 |
| 18 | ISWE304L | Software Architecture | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 19 | ISWE305L | Software Testing | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 20 | ISWE305P | Software Testing Lab | Lab Only | 1.0 | 0 | 0 | 2 | 0 | 1.0 |
| 21 | ISWE306L | Software Project Management | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 22 | ISWE402L | Software Metrics | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 23 | ISWE403L | Software Configuration Management | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 24 | ISWE404L | Design Patterns | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 25 | ISWE405L | Network and Information Security | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 26 | ISWE406L | Agile Development Process and Devops | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 27 | ISWE406P | Agile Development Process and Devops Lab | Lab Only | 1.0 | 0 | 0 | 2 | 0 | 1.0 |
| 28 | ISWE407L | UI and UX Programming | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 29 | ISWE407P | UI and UX Programming Lab | Lab Only | 1.0 | 0 | 0 | 2 | 0 | 1.0 |

| Discipline Elective | | | | | | | | | | | |
|---------------------|-------------|--|-------------|-----------------|---|---|---|---|---------|--|--|
| sl.no | Course Code | Course Title | Course Type | Ver sio n | L | Т | Р | J | Credits | | |
| 1 | ISWE208L | Optimization Techniques | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 | | |
| 2 | ISWE209L | Data Mining | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 | | |
| 3 | ISWE210L | R for Data Science | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 | | |
| 4 | ISWE307L | Digital Image Processing | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 | | |
| 5 | ISWE308L | Soft Computing | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 | | |
| 6 | ISWE309L | Cloud Computing | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 | | |
| 7 | ISWE310L | Natural Language Processing | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 | | |
| 8 | ISWE311L | Software Industrialization and Economics | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 | | |
| 9 | ISWE312L | Computer Vision | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 | | |
| 10 | ISWE313L | Advanced Java Programming | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 | | |
| 11 | ISWE314L | Social Network Analysis | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 | | |
| 12 | ISWE391J | Technical Answers to Real Problems Project | Project | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | |
| 13 | ISWE392J | Design Project | Project | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | |
| 14 | ISWE393J | Laboratory Project | Project | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | |
| 15 | ISWE394J | Product Development Project | Project | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | |
| 16 | ISWE396J | Reading Course | Project | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | |
| 17 | ISWE397J | Special Project | Project | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | |
| 18 | ISWE398J | Simulation Project | Project | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | |
| 19 | ISWE408L | Cross Platform Application Development | Theory Only | 1.0 | 2 | 0 | 0 | 0 | 2.0 | | |
| 20 | ISWE408P | Cross Platform Application Development Lab | Lab Only | 1.0 | 0 | 0 | 2 | 0 | 1.0 | | |
| 21 | ISWE409L | High Performance Computing | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 | | |
| 22 | ISWE410L | Machine Learning | Theory Only | 1.0 | 2 | 0 | 0 | 0 | 2.0 | | |
| 23 | ISWE410P | Machine Learning Lab | Lab Only | 1.0 | 0 | 0 | 2 | 0 | 1.0 | | |
| 24 | ISWE411L | Deep Learning | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 | | |
| 25 | ISWE412L | Block Chain Technologies | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 | | |

| | | Discipline Ele | ctive | | | | | | |
|----|----------|---|-------------|-----|---|---|---|---|-----|
| 26 | ISWE413L | Robotic Process Automation | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 27 | ISWE414L | Modern Full Stack Development | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 28 | ISWE415L | Cyber Security | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 29 | ISWE416L | Big Data Analytics | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 30 | ISWE417L | Quantum Computing | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 31 | ISWE418L | Low Code Application Development | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 32 | ISWE419L | Metaverse | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 33 | ISWE420L | Cyber Physical Systems | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 34 | ISWE421L | Cognitive Computing | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 35 | ISWE422L | Multicore Computing | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 36 | ISWE423L | Dynamic Program Analysis | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 37 | ISWE424L | Formal Methods for Software Engineering | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 38 | ISWE425L | Game Theory and its Applications | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |

| | Projects and Internship | | | | | | | | | | |
|-------|-------------------------|------------------------------|-------------|-----|---|---|---|---|---------|--|--|
| sl.no | Course Code | Course Title | Course Type | Ver | L | т | Р | J | Credits | | |
| | | | | sio | | | | | | | |
| | | | | n | | | | | | | |
| 1 | ISWE399J | Summer Industrial Internship | Project | 1.0 | 0 | 0 | 0 | 0 | 1.0 | | |
| 2 | ISWE498J | Project I | Project | 1.0 | 0 | 0 | 0 | 0 | 14.0 | | |
| 3 | ISWE499J | Project II / Internship | Project | 1.0 | 0 | 0 | 0 | 0 | 20.0 | | |

| | | Open Elective | | | | | | | |
|-------|-------------|--|---------------|-----------------|---|---|---|---|---------|
| sl.no | Course Code | Course Title | Course Type | Ver sio n | L | Т | Р | J | Credits |
| 1 | CFOC101M | Advanced Green Manufacturing Systems | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 2 | CFOC102M | Introduction to Cognitive Psychology | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 3 | CFOC103M | Introduction to Political Theory | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 4 | CFOC104M | Six Sigma | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 5 | CFOC105M | Emotional Intelligence | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 6 | CFOC106M | Manufacturing Strategy | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 7 | CFOC107M | Supply Chain Analytics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 8 | CFOC108M | Systems Engineering: Theory and Practice | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 9 | CFOC109M | Design Thinking - A Primer | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 10 | CFOC110M | MCDM Techniques Using R and MARLAB | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 11 | CFOC111M | Perspectives on Neurolinguistic | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 12 | CFOC112M | Sociology of Science | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 13 | CFOC113M | Contemporary Themes in India's Economic Development and Economic Survey | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 14 | CFOC114M | Problem Solving through Programming in C | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 15 | CFOC115M | Design and Analysis of Algorithms | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 16 | CFOC116M | Computer Vision | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |

| | | Open Elective | | | | | | | |
|----|----------|---|---------------|-----|---|---|---|---|-----|
| 17 | CFOC117M | Spatial Informatics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 18 | CFOC118M | Practical Machine Learning with Tensorflow | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 19 | CFOC119M | Training of Trainers | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 20 | CFOC120M | Knowledge Management | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 21 | CFOC121M | Leadership | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 22 | CFOC122M | Educational Leadership | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 23 | CFOC123M | Cost Accounting | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 24 | CFOC124M | Practitioners Course In Descriptive, Predictive and Prescriptive Analytics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 25 | CFOC125M | Decision Making Under Uncertainty | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 26 | CFOC126M | Data Analysis and Decision Making - III | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 27 | CFOC127M | Business Analytics and Data Mining Modeling Using R Part II | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 28 | CFOC128M | Business Analytics and Text Mining Modeling Using Python | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 29 | CFOC129M | Economics of Health and Health Care | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 30 | CFOC130M | Human Resource Development | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 31 | CFOC131M | Performance and Reward Management | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 32 | CFOC132M | Corporate Social Responsibility | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 33 | CFOC133M | E-Business | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 34 | CFOC134M | Innovation, Business Models and Entrepreneurship | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 35 | CFOC135M | The Ethical Corporation | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 36 | CFOC136M | Toyota Production System | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 37 | CFOC137M | Intellectual Property Rights and Competition Law | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 38 | CFOC138M | Patent Search for Engineers and Lawyers | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 39 | CFOC139M | Role of Craft and Technology in Interior - Architecture | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 40 | CFOC140M | Glass In Buildings : Design And Applications | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 41 | CFOC141M | Visual Perception and Art: A Survey Across the Cultures | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 42 | CFOC142M | Mapping Signal Processing Algorithms to Architectures | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 43 | CFOC143M | Introduction to Computer Vision | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 44 | CFOC144M | Op-Amp Practical Applications: Design, Simulation and Implementation | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 45 | CFOC145M | Fabrication Techniques for MEMs - based sensors: clinical Perspective | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 46 | CFOC146M | Linear System Theory | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 47 | CFOC147M | Advanced Linear Continuous Control Systems: Applications with MATLAB Programming and Simulink | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 48 | CFOC148M | Introduction to Wireless and Cellular Communications | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 49 | CFOC149M | Digital Switching - I | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 50 | CFOC150M | Microelectronics: Devices To Circuits | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 51 | CFOC151M | Digital Image Processing | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 52 | CFOC152M | Pattern Recognition and Application | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 53 | CFOC153M | Microwave Theory and Techniques | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |

| | | Open Elective | | | | | | | |
|----|----------------------|--|---------------|-----|---|----|---|--------|-----|
| 54 | CFOC154M | Principles and Techniques of Modern Radar Systems | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 55 | CFOC155M | Computational Electromagnetics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 56 | CFOC156M | Microwave Engineering | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 57 | CFOC157M | Introduction to parallel Programming in Open MP | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 58 | CFOC158M | Reinforcement Learning | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 59 | CFOC159M | Applied Natural Language Processing | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 60 | CFOC160M | Python for Data Science | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 61 | CFOC161M | Data Science for Engineers | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 62 | CFOC162M | Scalable Data Science | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 63 | CFOC163M | Advanced Computer Architecture | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 64 | CFOC164M | Software Project Management | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 65 | CFOC165M | Software testing | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 66 | CFOC166M | Hardware Modeling using Verilog | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 67 | CFOC167M | Synthesis of Digital Systems | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 68 | CFOC168M | Switching Circuits and Logic Design | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 69 | CFOC169M | Demystifying networking | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 70 | CFOC170M | Modern Algebra | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 71 | CFOC171M | Introduction to Haskell Programming 2 | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 72 | CFOC172M | Flow through Porous Media | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 73 | CFOC173M | Bioenergy | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 74 | CFOC174M | Introduction to Biostatistics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 75 | CFOC175M | Nanotechnology in Agriculture | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 76 | CFOC176M | Computer Aided Drug Design | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 77 | CFOC177M | Drug Delivery: Principles and Engineering | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 78 | CFOC178M | Functional Genomics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 79 | CFOC179M | Introduction to Proteogenomics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 80 | CFOC180M | Introduction to Mechanobiology | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 81 | CFOC181M | WildLife Conservation | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 82 | CFOC182M | Organic Chemistry in Biology and Drug Development | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 83 | CFOC183M | Bioinorganic Chemistry | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 84 | CFOC184M | Spectroscopic Techniques for Pharmaceutical and Biopharmaceutical Industries | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 85 | CFOC185M | Biophysical chemistry | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 86 | CFOC186M | Deep Learning | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 87 | CFOC187M | Blockchain Architecture Design and use Cases | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 88 | CFOC188M | Ethical Hacking | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 89 | CFOC189M | Organic Farming for Sustainable Agricultural Production | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 90 | CFOC190M | Positive Psychology | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 91 | CFOC191M | Forests and their Management | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 92 | CFOC192M | Forest Biometry | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 93 | CFOC193M | Bioengineering: An Interface with Biology and Medicine | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 94 | CFOC194M | Human Molecular Genetics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| | On: 14-06-2025 03:41 | | | | | 1- | | Page 6 | |

| | | Open Elective | | | | | | | |
|-----|----------|---|---------------|-----|---|---|---|---|-----|
| 95 | CFOC195M | Bioenergetics of Life Processes | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 96 | CFOC196M | Computational Systems Biology | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 97 | CFOC197M | Bio-Informatics: Algorithms and Applications | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 98 | CFOC198M | Biostatistics and Design of Experiments | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 99 | CFOC199M | Medical Biomaterials | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 100 | CFOC200M | Demystifying the Brain | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 101 | CFOC201M | Principles and Applications of NMR Spectroscopy | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 102 | CFOC202M | Cell Culture Technologies | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 103 | CFOC203M | Natural Hazards | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 104 | CFOC204M | Modern Construction Materials | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 105 | CFOC205M | Energy Efficiency, Acoustics and Daylighting in Building | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 106 | CFOC206M | Fire Protection, Services and Maintenance Management of Building | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 107 | CFOC207M | Electronic Waste Management - Issues And Challenges | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 108 | CFOC208M | Higher Surveying | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 109 | CFOC209M | Environmental Remediation of Contaminated Sites | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 110 | CFOC210M | Soil Structure Interaction | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 111 | CFOC211M | Introduction to Accounting and Finance for Civil Engineers | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 112 | CFOC212M | Scheduling Techniques in Projects | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 113 | CFOC213M | GPS Surveying | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 114 | CFOC214M | Sustainable Materials and Green Buildings | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 115 | CFOC215M | Geomorphic Processes: Landforms and Landscapes | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 116 | CFOC216M | Introduction To Process Modeling in the Membrane Separation Process | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 117 | CFOC217M | Computational Geometry | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 118 | CFOC218M | Compiler Design | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 119 | CFOC219M | Embedded System Design with ARM | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 120 | CFOC220M | VLSI Physical Design | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 121 | CFOC221M | Cloud computing | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 122 | CFOC222M | Artificial Intelligence : Knowledge Representation And Reasoning | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 123 | CFOC223M | Privacy and Security in Online Social Media | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 124 | CFOC224M | Information Security - 5 - Secure Systems Engineering | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 125 | CFOC225M | Model Checking | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 126 | CFOC226M | Randomized Algorithms | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 127 | CFOC227M | GPU Architectures and Programming | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 128 | CFOC228M | Multi-Core Computer Architecture - Storage and Interconnects | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 129 | CFOC229M | Data Analytics with Python | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 130 | CFOC230M | Arithmetic Circuit Complexity | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 131 | CFOC231M | Google Cloud Computing Foundation Course | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |

| | | Open Elective | | | | | | | |
|-----|----------|--|---------------|-----|---|---|---|---|-----|
| 132 | CFOC232M | Consumer Behaviour | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 133 | CFOC233M | Enhancing Soft Skills and Personality | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 134 | CFOC234M | Introduction to Airplane Performance | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 135 | CFOC235M | Rocket Propulsion | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 136 | CFOC236M | Aircraft Maintenance | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 137 | CFOC237M | Sustainable Architecture | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 138 | CFOC238M | Introduction to History of Architecture in India | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 139 | CFOC239M | Structure, Form, and Architecture : The Synergy | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 140 | CFOC240M | Interactomics : Basics and Applications | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 141 | CFOC241M | Introduction to Professional Scientific Communication | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 142 | CFOC242M | Material and Energy Balances | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 143 | CFOC243M | Thermodynamics for Biological Systems: Classical and Statistical Aspect | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 144 | CFOC244M | Optical Spectroscopy and Microscopy : Fundamentals of Optical Measurements and Instrumentation | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 145 | CFOC245M | Fundamentals of Semiconductor Devices | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 146 | CFOC246M | Characterization of Construction Materials | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 147 | CFOC247M | Introduction to Civil Engineering Profession | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 148 | CFOC248M | Environmental Geomechanics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 149 | CFOC249M | Mechanical Characterization of Bituminous Materials | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 150 | CFOC250M | Geosynthetics and Reinforced Soil Structures | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 151 | CFOC251M | Geotechnical Engineering II Foundation Engineering | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 152 | CFOC252M | Landscape Architecture and Site Planning - Basic Fundamentals | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 153 | CFOC253M | Plastic Waste Management | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 154 | CFOC254M | Advanced Topics in the Science and Technology of Concrete | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 155 | CFOC255M | Applied Environmental Microbiology | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 156 | CFOC256M | Digital Land Surveying And Mapping (DLS&M) | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 157 | CFOC257M | Earthquake Geology: A tool for Seismic Hazard Assessment | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 158 | CFOC258M | Introduction to Geographic Information Systems | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 159 | CFOC259M | Structural Dynamics | Online Course | 2.0 | 0 | 0 | 0 | 0 | 4.0 |
| 160 | CFOC260M | Water Supply Engineering | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 161 | CFOC261M | Geo Spatial Analysis in Urban Planning | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 162 | CFOC262M | Geotechnical Engineering - 1 | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 163 | CFOC263M | Maintenance and Repair of Concrete Structures | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 164 | CFOC264M | Thermodynamics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 165 | CFOC265M | Geomorphology | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 166 | CFOC266M | Remote Sensing Essentials | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 167 | CFOC267M | Hydraulic Engineering | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 168 | CFOC268M | Environmental Quality Monitoring and Analysis | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 169 | CFOC269M | Electrochemical Technology in Pollution Control | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 170 | CFOC270M | Advanced Thermodynamics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |

| | | Open Elective | | | | | | | |
|-----|----------|--|---------------|-----|---|---|---|---|-----|
| 171 | CFOC271M | Membrane Technology | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 172 | CFOC272M | Computational Fluid Dynamics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 173 | CFOC273M | Transport phenomena | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 174 | CFOC274M | Optimization in Chemical Engineering | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 175 | CFOC275M | Soft Nano Technology | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 176 | CFOC276M | Transport processes I - Heat and Mass Transfer | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 177 | CFOC277M | Process Control - Design, Analysis and Assessment | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 178 | CFOC278M | Heat Transfer | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 179 | CFOC279M | Chemical Reaction Engineering II | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 180 | CFOC280M | Multiphase Flows | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 181 | CFOC281M | Mass Transfer Operations - I | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 182 | CFOC282M | Waste to Energy Conversion | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 183 | CFOC283M | Equipment Design : Mechanical Aspects | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 184 | CFOC284M | An Introduction to Cardiovascular Fluid Mechanics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 185 | CFOC285M | Computer Aided Applied Single Objective Optimization | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 186 | CFOC286M | Basic Principles and Calculations in Chemical Engineering | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 187 | CFOC287M | Introduction to Blockchain Technology and Applications | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 188 | CFOC288M | Foundations of Cryptography | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 189 | CFOC289M | Introduction to Database Systems | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 190 | CFOC290M | Operating System | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 191 | CFOC291M | Programming in C++ | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 192 | CFOC292M | Programming in Java | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 193 | CFOC293M | Data Base Management System | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 194 | CFOC294M | Introduction to Algorithms and Analysis | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 195 | CFOC295M | Data Mining | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 196 | CFOC296M | Embedded Systems Design | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 197 | CFOC297M | Real Time Operating System | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 198 | CFOC298M | Introduction to Soft Computing | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 199 | CFOC299M | Cryptography and Network Security | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 200 | CFOC300M | Introduction to Internet of Things | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 201 | CFOC301M | Computer Networks and Internet Protocol | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 202 | CFOC302M | Introduction to Industry 4.0 and Industrial Internet of Things | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 203 | CFOC303M | Computer Architecture | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 204 | CFOC304M | Programming, Data Structures And Algorithms Using Python | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 205 | CFOC305M | Introduction to Machine Learning | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 206 | CFOC306M | Social Networks | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 207 | CFOC307M | Foundations to Computer Systems Design | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 208 | CFOC308M | The Joy of Computing using Python | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 209 | CFOC309M | Discrete Mathematics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |

| | | Open Elective | | | | | | | |
|-----|---------------------------------|--|---------------|-----|---|---|---|---|----------------|
| 210 | CFOC310M | An Introduction to Artificial Intelligence | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 211 | CFOC311M | User-centric Computing for Human-Computer Interaction | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 212 | CFOC312M | Cloud Computing and Distributed Systems | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 213 | CFOC313M | Machine Learning | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 214 | CFOC314M | Modern Application Development | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 215 | CFOC315M | An Introduction To Programming Through C++ | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 216 | CFOC316M | Design and Pedagogy of the Introductory Programming Course | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 217 | CFOC317M | Quantitative Methods in Chemistry | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 218 | CFOC318M | Basics in Inorganic Chemistry | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 219 | CFOC319M | Ultrafast Laser Spectroscopy | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 220 | CFOC320M | Transition Metal Organometallics in Catalysis and Biology | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 221 | CFOC321M | Essentials of Biomolecules : Nucleic Acids and Peptides | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 222 | CFOC322M | Fundamentals of Spectroscopy | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 223 | CFOC323M | Advanced Chemical Thermodynamics and Kinetics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 224 | CFOC324M | Biochemistry | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 225 | CFOC325M | Organometallic Chemistry | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 226 | CFOC326M | Chemical Applications of Symmetry and Group Theory | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 227 | CFOC327M | Basic Thermodynamics : Classical and Statistical Approaches | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 228 | CFOC328M | Medicinal Chemistry | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 229 | CFOC329M | Design, Technology and Innovation | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 230 | CFOC330M | Geographic Information System | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 231 | CFOC331M | Product Design and Innovation | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 232 | CFOC332M | Fundamentals of Automotive Systems | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 233 | CFOC333M | Electronics Equipment Integration and Prototype Building | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 234 | CFOC334M | High Power Multilevel Converters-Analysis, Design and Operational Issues | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 235 | CFOC335M | Fuzzy Sets, Logic and Systems and Applications | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 236 | CFOC336M | Transmission Lines and Electromagnetic Waves | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 237 | CFOC337M | Digital IC Design | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 238 | CFOC338M | Signals and Systems | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 239 | CFOC339M | Power Management Integrated Circuits | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 240 | CFOC340M | DC Power Transmission Systems | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 241 | CFOC341M | Microprocessors and Interfacing | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 242 | CFOC342M | Design and Simulation of Power Conversion using Open Source Tools | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 243 | CFOC343M | Integrated Circuits, MOSFETs, OP-Amps and their Applications | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 244 | CFOC344M | Electronic Systems for Cancer Diagnosis | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 245 | CFOC345M On: 14-06-2025 03:4 | Principles of Signals and Systems | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 0 of 21 |

| | | Open Elective | | | | | | | |
|-----|----------|---|---------------|-----|---|---|---|---|-----|
| 246 | CFOC346M | Principles of Communication Systems - I | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 247 | CFOC347M | Principles of Digital Communication | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 248 | CFOC348M | Electric Vehicles - Part 1 | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 249 | CFOC349M | Nonlinear Adaptive Control | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 250 | CFOC350M | Antennas | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 251 | CFOC351M | Multirate DSP | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 252 | CFOC352M | Control Engineering | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 253 | CFOC353M | Introduction to Photonics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 254 | CFOC354M | Microwave Integrated Circuits 2 | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 255 | CFOC355M | Analog IC Design | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 256 | CFOC356M | Analog Circuits | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 257 | CFOC357M | Advance Power Electronics and Control | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 258 | CFOC358M | CMOS Digital VLSI Design | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 259 | CFOC359M | Analog Circuits and Systems through SPICE Simulation | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 260 | CFOC360M | Discrete Time Signal Processing | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 261 | CFOC361M | Digital Electronic Circuits | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 262 | CFOC362M | Fundamentals of MIMO Wireless Communication | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 263 | CFOC363M | Spread Spectrum Communications and Jamming | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 264 | CFOC364M | Basic Building Blocks of Microwave Engineering & Design Principles of RF and Microware filters and Amplifiers | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 265 | CFOC365M | Evolution of Air Interface towards 5G | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 266 | CFOC366M | Architectural Design of Digital Integrated Circuits | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 267 | CFOC367M | Electrical Machines - II | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 268 | CFOC368M | Medical Image Analysis | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 269 | CFOC369M | Biomedical Signal Processing | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 270 | CFOC370M | Microprocessors And Microcontrollers | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 271 | CFOC371M | Recent Advances in Transmission Insulator | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 272 | CFOC372M | VLSI Signal Processing | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 273 | CFOC373M | Analog Electronic Circuits | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 274 | CFOC374M | Network Analysis | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 275 | CFOC375M | Optical Engineering | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 276 | CFOC376M | Mathematical Methods and Techniques in Signal Processing | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 277 | CFOC377M | A brief introduction of Micro – Sensors | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 278 | CFOC378M | Statistical Signal Processing | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 279 | CFOC379M | Nonlinear System Analysis | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 280 | CFOC380M | Ethics in Engineering Practice | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 281 | CFOC381M | Introduction to Research | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 282 | CFOC382M | Matlab Programming for Numerical Computation | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 283 | CFOC383M | Roadmap for Patent Creation | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 284 | CFOC384M | Entrepreneurship Essentials | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 285 | CFOC385M | Fuzzy Logic and Neural Networks | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |

| | | Open Elective | | | | | | | |
|-----|----------|---|-----------------|-----|---|---|---|---|-----|
| 286 | CFOC386M | Microeconomics : Theory & Applications | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 287 | CFOC387M | Introduction to Environmental Economics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 288 | CFOC388M | Energy Resources, Economics and Environment | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 289 | CFOC389M | Literary Criticism (From Plato to Leavis) | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 290 | CFOC390M | Twentieth Century Fiction | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 291 | CFOC391M | Effective Writing | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 292 | CFOC392M | Strategic Trade and Protectionism - Theories and Empirics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 293 | CFOC393M | Introduction to Cultural Studies | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 294 | CFOC394M | Introduction to Basic Spoken Sanskrit | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 295 | CFOC395M | Speaking Effectively | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 296 | CFOC396M | Soft Skill Development | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 297 | CFOC397M | Intellectual Property | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 298 | CFOC398M | English Language for Competitive Exams | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 299 | CFOC399M | English Literature for Competitive Exams | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 300 | CFOC400M | Language and Mind | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 301 | CFOC401M | The Nineteenth - Century English Novel | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 302 | CFOC402M | Introduction to World Literature | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 303 | CFOC403M | Patent Drafting for Beginners | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 304 | CFOC404M | Patent Law for Engineers and Scientists | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 305 | CFOC405M | Economic Growth & Development | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 306 | CFOC406M | Human Behaviour | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 307 | CFOC407M | Introduction to Modern Indian Political Thought | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 308 | CFOC408M | English Literature of the Romantic Period, 1798 - 1832 | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 309 | CFOC409M | Literature, Culture and Media | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 310 | CFOC410M | Introduction to Brain & Behaviour | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 311 | CFOC411M | Modern Indian Writing in Translation | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 312 | CFOC412M | Introduction to Political Ideologies : Contexts, Ideas, and Practices | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 313 | CFOC413M | Indian Business History | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 314 | CFOC414M | German - II | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 315 | CFOC415M | German - I | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 316 | CFOC416M | Feminism : Concepts and Theories | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 317 | CFOC417M | An Introduction to Smooth Manifolds | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 318 | CFOC418M | Measure Theory | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 319 | CFOC419M | Basic Real Analysis | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 320 | CFOC420M | Probabilistic Methods in PDE | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 321 | CFOC421M | Graph Theory | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 322 | CFOC422M | Transform Calculus and its applications in Differential Equations | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 323 | CFOC423M | Integral and Vector Calculus | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 324 | CFOC424M | Basic Linear Algebra | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| | + | | 1 2 2 2 2 2 2 2 | + | + | + | + | + | + |

| | | Open Elective | | | | | | | |
|-----|--------------------------------|--|---------------|-----|---|---|---|---|----------------|
| 326 | CFOC426M | Numerical Methods : Finite Difference Approach | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 327 | CFOC427M | Numerical Linear Algebra | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 328 | CFOC428M | Ordinary and Partial Differential Equations and Applications | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 329 | CFOC429M | Advanced Engineering Mathematics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 330 | CFOC430M | Mathematical Methods and its Applications | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 331 | CFOC431M | Multivariable Calculus | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 332 | CFOC432M | Chaotic Dynamical System | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 333 | CFOC433M | Engineering Mathematics II | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 334 | CFOC434M | Advanced Probability Theory | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 335 | CFOC435M | Statistical Inference | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 336 | CFOC436M | Introduction to Algebraic Geometry and Commutative Algebra | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 337 | CFOC437M | Linear Algebra | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 338 | CFOC438M | Introduction to Probability and Statistics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 339 | CFOC439M | Descriptive Statistics with R Software | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 340 | CFOC440M | Engineering Mechanics - Statics and Dynamics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 341 | CFOC441M | Experimental Stress Analysis | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 342 | CFOC442M | Robotics and Control: Theory and Practice | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 343 | CFOC443M | Computational Fluid Dynamics for Incompressible Flows | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 344 | CFOC444M | Experimental Methods in Fluid Mechanics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 345 | CFOC445M | Foundations of Computational Materials Modelling | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 346 | CFOC446M | Acoustic Materials and Metamaterials | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 347 | CFOC447M | Power Plant Engineering | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 348 | CFOC448M | Applied Ergonomics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 349 | CFOC449M | Product Design and Manufacturing | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 350 | CFOC450M | Manufacturing Process Technology I & II | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 351 | CFOC451M | Introduction To Mechanical Micro Machining | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 352 | CFOC452M | Non Traditional Abrasive Machining Processes Ultrasonic, Abrasive Jet and Abrasive Water Jet Machining | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 353 | CFOC453M | Gear And Gear Unit Design : Theory And Practice | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 354 | CFOC454M | Conduction and Convection Heat Transfer | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 355 | CFOC455M | Laws of Thermodynamics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 356 | CFOC456M | Kinematics of Mechanisms and Machines | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 357 | CFOC457M | Introduction To Fluid Mechanics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 358 | CFOC458M | Fundamental of Welding Science and Technology | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 359 | CFOC459M | Introduction to Abrasive Machining and Finishing Processes | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 360 | CFOC460M | Automatic Control | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 361 | CFOC461M | Inspection and Quality Control in Manufacturing | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 362 | CFOC462M | Diffusion in Multicomponent Solids | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 363 | CFOC463M | Processing of Polymers and Polymer Composites | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 364 | CFOC464M : 14-06-2025 03:41 | Operations Management | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 3 of 21 |

| | Open Elective | | | | | | | | | | | | |
|-----|---------------|---|---------------|-----|---|---|---|---|-----|--|--|--|--|
| 365 | CFOC465M | Convective Heat Transfer | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 | | | | |
| 366 | CFOC466M | Two phase flow and heat transfer | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 | | | | |
| 367 | CFOC467M | Steam and Gas Power Systems | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | | |
| 368 | CFOC468M | Principles of Casting Technology | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | | |
| 369 | CFOC469M | Financial Mathematics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | | |
| 370 | CFOC470M | Modelling and Simulation of Dynamic Systems | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | | |
| 371 | CFOC471M | Fundamentals of combustion for propulsion | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | | |
| 372 | CFOC472M | Industrial Automation And Control | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | | |
| 373 | CFOC473M | Fundamentals of Nuclear Power Generation | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | | |
| 374 | CFOC474M | Mechanics of Machining | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | | |
| 375 | CFOC475M | IC Engines and Gas Turbines | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | | |
| 376 | CFOC476M | Principles of Industrial Engineering | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | | |
| 377 | CFOC477M | Computer Integrated Manufacturing | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | | |
| 378 | CFOC478M | Machining Science | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 | | | | |
| 379 | CFOC479M | Introduction to Stochastic Processes | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | | |
| 380 | CFOC480M | Introduction to System Dynamics Modeling | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | | |
| 381 | CFOC481M | Management of New Products and Services | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 | | | | |
| 382 | CFOC482M | Integrated Marketing Management | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | | |
| 383 | CFOC483M | Simulation of Business Systems: An Applied Approach | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | | |
| 384 | CFOC484M | Production and Operation Management | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | | |
| 385 | CFOC485M | Services Marketing : Integrating People, Technology, Strategy | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | | |
| 386 | CFOC486M | Managerial Skills for Interpersonal Dynamics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | | |
| 387 | CFOC487M | Financial Institutions and Markets | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | | |
| 388 | CFOC488M | Business Analytics For Management Decision | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | | |
| 389 | CFOC489M | Services Marketing : A Practical Approach | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 | | | | |
| 390 | CFOC490M | Sales and Distribution Management | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | | |
| 391 | CFOC491M | Principles of Human Resource Management | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | | |
| 392 | CFOC492M | Managing change in organizations | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | | |
| 393 | CFOC493M | Management of Inventory Systems | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | | |
| 394 | CFOC494M | Quality Design And Control | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | | |
| 395 | CFOC495M | Foundation Course in Managerial Economics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | | |
| 396 | CFOC496M | Engineering Econometrics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | | |
| 397 | CFOC497M | Financial Statement Analysis and Reporting | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | | |
| 398 | CFOC498M | Business Statistics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | | |
| 399 | CFOC499M | Global Marketing Management | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | | |
| 400 | CFOC500M | Marketing Research and Analysis - II | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | | |
| 401 | CFOC501M | Infrastructure Planning and Managements | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | | |
| 402 | CFOC502M | Modelling and Analytics for Supply Chain Management | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | | |
| 403 | CFOC503M | Marketing Analytics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | | |
| 404 | CFOC504M | Financial Management For Managers | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | | |
| 405 | CFOC505M | Management of Commercial Banking | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | | |

| Open Elective | | | | | | | | | | | | |
|---------------|----------|--|---------------|-----|---|---|---|---|-----|--|--|--|
| 406 | CFOC506M | Behavioral and Personal Finance | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | |
| 407 | CFOC507M | Total Quality Management - 1 | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | |
| 408 | CFOC508M | Entrepreneurship | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 409 | CFOC509M | Modeling of Tundish Steelmaking Process in Continuous Casting | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | |
| 410 | CFOC510M | Fundamentals of Electronic Materials and Devices | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | |
| 411 | CFOC511M | Introduction to Materials Science and Engineering | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 412 | CFOC512M | Corrosion - Part I | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | |
| 413 | CFOC513M | Solar Photovoltaics: Principles, Technologies and Materials | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | |
| 114 | CFOC514M | Welding Processes | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 415 | CFOC515M | Theory and Practice of Non Destructive Testing | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | |
| 416 | CFOC516M | Steel Quality: Role of Secondary Refining and Continuous Casting | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 417 | CFOC517M | Materials Science and Engineering | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | |
| 418 | CFOC518M | Surface Engineering of Nanomaterials | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | |
| 419 | CFOC519M | Dealing with Materials Data: Collection, Analysis and Interpretation | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 120 | CFOC520M | Friction and Wear of Materials: Principle and Case Studies | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | |
| 121 | CFOC521M | Material Characterization | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 422 | CFOC522M | Offshore Structures Under Special Environmental Loads Including Fire Resistance | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 423 | CFOC523M | Physics of Biological Systems | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 124 | CFOC524M | Group Theory methods in Physics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 125 | CFOC525M | Experimental Physics - II | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 126 | CFOC526M | Quantum Mechanics I | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 127 | CFOC527M | A Brief Course on Superconductivity | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 | | | |
| 428 | CFOC528M | Fiber Optics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | |
| 129 | CFOC529M | Electromagnetism | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 430 | CFOC530M | Experimental Physics III | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 431 | CFOC531M | Electronic Theory of Solids | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 432 | CFOC532M | Introduction to Atmospheric and Space Sciences | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 433 | CFOC533M | Optical Sensors | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 | | | |
| 434 | CFOC534M | Evaluation of Textiles Materials | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 435 | CFOC535M | Advanced Textile Printing Technology | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | |
| 436 | CFOC536M | Textured Yarn Technology | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 437 | CFOC537M | Theory of Yarn Structure | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 438 | CFOC538M | Testing of Functional and Technical Textiles | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | |
| 439 | CFOC539M | Applied Optimization for Wireless, Machine Learning, Big Data | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 140 | CFOC540M | Deep Learning for Computer Vision | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 441 | CFOC541M | Deep Learning for Visual Computing | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 442 | CFOC542M | Principles of Compiler Design | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 443 | CFOC543M | International Business | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |

| | | Open Elective | | | | | | | |
|-----|----------|--|---------------|-----|---|---|---|---|-----|
| 444 | CFOC544M | Learning Analytics Tools | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 445 | CFOC545M | Advanced IoT Applications | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 446 | CFOC546M | Algorithms for Big Data | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 447 | CFOC547M | Decision Making Using Financial Accounting | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 448 | CFOC548M | Introduction on Intellectual Property to Engineers and Technologists | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 449 | CFOC549M | Introduction to Quantum Computing: Quantum Algorithms and Qiskit | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 450 | CFOC550M | Numerical Analysis | Online Course | 1.0 | 0 | 0 | 0 | 0 | 4.0 |
| 451 | CFOC551M | Quantum Technology and Quantum Phenomena in Macroscopic Systems | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 452 | CFOC552M | Electrochemical Impedance Spectroscopy | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 453 | CFOC553M | Carbon Materials and Manufacturing | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 454 | CFOC554M | Electronic Packaging and Manufacturing | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 455 | CFOC555M | Finite Element Method | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 456 | CFOC556M | Physics of Materials | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 457 | CFOC557M | X-ray Crystallography and Diffraction | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 458 | CFOC558M | Solar Photovoltaics Fundamentals, Technology and Applications | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 459 | CFOC559M | Design of Photovoltaic Systems | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 460 | CFOC560M | Fundamentals of Micro and Nanofabrication | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 461 | CFOC561M | Biomedical Nanotechnology | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 462 | CFOC562M | Design and Analysis of VLSI Subsystems | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 463 | CFOC563M | Physics of Nanoscale Devices | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 464 | CFOC564M | Photonic Integrated Circuit | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 465 | CFOC565M | Technologies for Clean and Renewable Energy Production | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 466 | CFOC566M | Elements of Solar Energy Conversion | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 467 | CFOC567M | Physics of Renewable Energy Systems | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 468 | CFOC568M | Structural Analysis of Nanomaterials | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 469 | CFOC569M | Computational Approach to Materials Science and Engineering | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 470 | CFOC570M | Public Speaking | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 471 | CFOC571M | Introduction To CFD | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 472 | CFOC572M | Dairy And Food Process And Products Technology | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 473 | CFOC573M | Fundamentals Of Food Process Engineering | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 474 | CFOC574M | Micro Irrigation Engineering | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 475 | CFOC575M | Wildlife Ecology | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 476 | CFOC576M | Integrated Waste Management For A Smart City | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 477 | CFOC577M | Introduction To Multimodal Urban Transportation Systems (MUTS) | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 478 | CFOC578M | Wastewater Treatment And Recycling | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 479 | CFOC579M | Structural Geology | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 480 | CFOC580M | Real-Time Systems | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 481 | CFOC581M | Algorithmic Game Theory | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |

| Open Elective | | | | | | | | | | | | |
|---------------|----------|---|---------------|-----|---|---|---|---|-----|--|--|--|
| 482 | CFOC582M | Computational Number Theory and Algebra | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 483 | CFOC583M | Power System Protection | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 484 | CFOC585M | Great Experiments In Psychology | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 | | | |
| 485 | CFOC586M | Spoken Sanskrit: Basic and Intermediate Levels | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 486 | CFOC587M | Economics of Banking and Finance Markets | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 487 | CFOC588M | Concepts Of Thermodynamics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 488 | CFOC589M | Engineering Drawing And Computer Graphics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 489 | CFOC590M | Management Information System | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 490 | CFOC591M | Principles Of Management | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 491 | CFOC592M | Stress Management | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 | | | |
| 492 | CFOC593M | Corporate Finance | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 493 | CFOC594M | Customer Relationship Management | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | |
| 494 | CFOC595M | Urbanization and Environment | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | |
| 495 | CFOC596M | Digital Speech Processing | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | |
| 496 | CFOC597M | Globalization And Culture | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | |
| 497 | CFOC598M | Elements of Visual Representation | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | |
| 498 | CFOC599M | Leadership and Team Effectiveness | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 499 | CFOC600M | Data Analysis for Biologists | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | |
| 500 | CFOC601M | Advance Course in Social Psychology | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 501 | CFOC602M | Product and Brand Management | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 502 | CFOC603M | Quantitative Investment Management | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | |
| 503 | CFOC604M | Entrepreneurship and IP Strategy | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | |
| 504 | CFOC605M | Sensor Technologies: Physics, Fabrication, and Circuits | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | |
| 505 | CFOC606M | Ecology and Environment | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | |
| 506 | CFOC607M | Analog VLSI Design | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 | | | |
| 507 | CFOC608M | The Science of Happiness and Wellbeing | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | |
| 508 | CFOC609M | Introduction to Basic Spoken Sanskrit and Intermediate Level of Spoken Sanskrit | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 509 | CFOC610M | Advanced Algorithmic Trading and Portfolio Management | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | |
| 510 | CFOC611M | Advanced Quantum Mechanics with Applications | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | |
| 511 | CFOC612M | Business Fundamentals for Entrepreneurs | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 | | | |
| 512 | CFOC613M | C-Based VLSI Design | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 513 | CFOC614M | The Popular Gothic Novel | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 514 | CFOC615M | Introduction To Biomimicry | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | |
| 515 | CFOC616M | Applied Linguistics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |
| 516 | CFOC617M | Gender and Literature | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | |
| 517 | CFOC618M | Developing Soft Skills and Personality | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | |
| 518 | CFOC619M | Corporate Finance_2 | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | |
| 519 | CFOC620M | Architectural Acoustics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | |
| 520 | CFOC621M | An Introduction to Indian Literary Theory | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 | | | |
| 521 | CFOC622M | Indian Art: Materials, Techniques and Artistic Practices | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 | | | |

| Open Elective | | | | | | | | | |
|---------------|----------|---|---------------|-----|---|---|---|---|-----|
| 522 | CFOC623M | Space Flight Mechanics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 523 | CFOC624M | Industrial Safety Engineering | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 524 | CFOC625M | Advanced Thermodynamics and Combustion | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 525 | CFOC626M | Postmodernism in Literature | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 526 | CFOC627M | Natural Language Processing | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 527 | CFOC628M | Appreciating Carnatic Music | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 528 | CFOC629M | Body language:Key to Professional Success | Online Course | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| 529 | CFOC630M | Business To Business Marketing | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 530 | CFOC631M | Conservation Geography | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 531 | CFOC632M | Enclosure design of Electronics equipment | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 532 | CFOC633M | Environment And Development | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 533 | CFOC634M | Introduction to Aerospace Engineering | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 534 | CFOC635M | Operations And Supply Chain Management | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 535 | CFOC636M | Programming in modern c++ | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 536 | CFOC637M | Psychology Of Learning | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 537 | CFOC638M | Urban Utilities Planning : Water Supply, Sanitation And Drainage | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 538 | CFOC639M | Research Methodology | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 539 | CFOC640M | Communication Networks | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 540 | CFOC641M | Aircraft Design | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 541 | CFOC642M | Conservation Economics | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 542 | CFOC643M | Cryogenic Hydrogen Technology | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 543 | CFOC644M | Explosions and Safety | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 544 | CFOC645M | Financial Accounting | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 545 | CFOC646M | Philosophy and Critical Thinking | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 546 | CFOC647M | Air pollution and Control | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 547 | CFOC648M | Centre-State Relations in India | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 548 | CFOC649M | Energy Resources, Economics, and Sustainability | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 549 | CFOC650M | Human Physiology | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 550 | CFOC651M | Psychology of Stress, Health and Well-being | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 551 | CFOC652M | Signal Processing Techniques and its Applications | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 552 | CFOC653M | Strength & Conditioning for the Indian Population | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 553 | CFOC654M | The Evolution of the Earth and Life | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 554 | CFOC655M | United Nations Sustainable Development Goals (UN SDGs) | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 555 | CFOC656M | Usability Engineering | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 556 | CFOC658M | Design Practice - II | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 557 | CFOC659M | Essentials of Data Science With R Software - 1: Probability and Statistical Inference | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 558 | CFOC660M | Applied Linear Algebra in AI and ML | Online Course | 1.0 | 0 | 0 | 0 | 0 | 3.0 |
| 559 | IHUM201L | Mass Communication | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 560 | IHUM202L | Rural Development | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 561 | IHUM203L | Introduction to Psychology | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 562 | IHUM204L | Industrial Psychology | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |

| | | Open Elective | | | | | | | |
|-----|----------|---|----------------------------|-----|---|---|---|---|-----|
| 563 | IHUM205L | Development Economics | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 564 | IHUM206L | International Economics | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 565 | IHUM207L | Engineering Economics | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 566 | IHUM208L | Economics of Strategy | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 567 | IHUM209L | Game Theory | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 568 | IHUM210E | Econometrics | Embedded Theory and Lab | 1.0 | 2 | 0 | 2 | 0 | 3.0 |
| 569 | IHUM211L | Behavioral Economics | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 570 | IHUM212L | Mathematics for Economic Analysis | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 571 | IHUM213L | Corporate Social Responsibility | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 572 | IHUM214L | Political Science | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 573 | IHUM215L | International Relations | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 574 | IHUM216L | Indian Culture and Heritage | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 575 | IHUM217L | Contemporary India | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 576 | IHUM218L | Financial Management | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 577 | IHUM219L | Principles of Accounting | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 578 | IHUM220L | Financial Markets and Institutions | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 579 | IHUM221L | Economics of Money, Banking and Financial Markets | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 580 | IHUM222L | Security Analysis and Portfolio Management | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 581 | IHUM223L | Options, Futures and other Derivatives | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 582 | IHUM224L | Fixed Income Securities | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 583 | IHUM225L | Personal Finance | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 584 | IHUM226L | Corporate Finance | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 585 | IHUM227L | Financial Statement Analysis | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 586 | IHUM228L | Cost and Management Accounting | Theory Only | 1.0 | 3 | 0 | 0 | 0 | 3.0 |
| 587 | ISTS301P | Advanced Competitive Coding – I | Soft Skill | 1.0 | 3 | 0 | 0 | 0 | 1.5 |
| 588 | ISTS302P | Advanced Competitive Coding - II | Soft Skill | 1.0 | 0 | 0 | 3 | 0 | 1.5 |
| 589 | ISWE351E | Foundation of Data Analytics | Embedded Theory and Lab | 1.0 | 1 | 0 | 2 | 0 | 2.0 |
| 590 | ISWE352E | Essentials of Data Analytics | Embedded Theory and Lab | 1.0 | 1 | 0 | 2 | 0 | 2.0 |

| Non-graded Core Requirement | | | | | | | | | |
|-----------------------------|-------------|----------------------------------|---------------|----------|---|---|---|---|---------|
| sl.no | Course Code | Course Title | Course Type | Ver | L | т | Р | J | Credits |
| | | | | sio n | | | | | |
| 1 | ICHY102N | Environmental Sciences | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 2 | IEXC100N | Extra curricular activities | Basket | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 3 | IHUM101N | Ethics and Values | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 4 | ISSC101N | Essence of Traditional Knowledge | Online Course | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| 5 | ISSC102N | Indian Constitution | Online Course | 2.0 | 0 | 0 | 0 | 0 | 2.0 |
| 6 | ISWE101N | Introduction to Engineering | Project | 1.0 | 0 | 0 | 0 | 0 | 1.0 |

Report On: 14-06-2025 03:41:19 PM Page 19 of 21

| Bridge Course | | | | | | | | | |
|---------------|-------------|---------------------------------|-------------|------------|---|---|---|---|---------|
| sl.no | Course Code | Course Title | Course Type | Ver sio | L | Т | Р | J | Credits |
| | | | | n | | | | | |
| 1 | IENG101N | Effective English Communication | Lab Only | 1.0 | 0 | 0 | 4 | 0 | 2.0 |

Report On: 14-06-2025 03:41:19 PM Page 20 of 21