

| Course                           |  | College |      | Title Details   |
|----------------------------------|--|---------|------|---|
| ARCH 211                         | Architectural Design II  | CE      | ARCH | Structure as architecture   |
| ARCH 201                         | Architectural Design I   | CE      | ARCH | Architectural Drafting and design   |
| ARCH 201                         | Architectural Design I   | CE      | ARCH | Architecture in Use   |
| ARCH 301                         | Architectural Design III   | CE      | ARCH | Planing and urban design standards  |
| ARCH 311                         | Architectural Design IV  | CE      | ARCH | Contemporary Library Architecture:A planing and Design Guide  |
| ARCH 311                         | Architectural Design IV  | CE      | ARCH | Linking architecture and education: sustainable design of learning environment                            |
| ARCH 311                         | Architectural Design IV  | CE      | ARCH | Design Tools for Evidence Based Healthcare Design   |
| ARCH 311                         | Architectural Design IV  | CE      | ARCH | Innovation In Hospital Architecture   |
| ARCH 306                         | History of Architecture I  | CE      | ARCH | A Global history of Architecture  |
| ARCH 304                         | Building Construction Methods                                    | CE      | ARCH | Fundamentals of Building construction: material and amethods with interactive resource centre access card |
| ARCH 302                         | Advanced Architectural Design Theories                           | CE      | ARCH | Modern architectural theory,A historical survey,1673-1968   |
| ARCH 303                         | Building Construction I - Concrete                               | CE      | ARCH | Structural Elements Design manual:working with Eurocodes  |
| ARCH 313                         | Building Cons.II - Wood and Masonry Cons. Design                 | CE      | ARCH | Design of Structural Elements   |
| ARCH 313                         | Building Cons.II - Wood and Masonry Cons. Design                 | CE      | ARCH | Masonry Structural Design, Second Edition (P/L Custom Scoring Survey)                                     |
| ARCH 313                         | Building Cons.II - Wood and Masonry Cons. Design                 | CE      | ARCH | Design of Wood Structures-ASD/LRFD (P/L Custom Scoring Survey)  |
| CHEE 208                         | Instrumentation  | CE      | CHEE | Modern Instrumental analysis  |
| CHEE 270                         | Fluid Mechanics For Chemical Engineers                           | CE      | CHEE | An introduction to fluid mechanics  |
| CHEE 201                         | Principles of Chemical Engineering                               | CE      | CHEE | Principles of Chemical Engineering Processes  |
| CHEE 440                         | Introduction to Biotechnology                                    | CE      | CHEE | Bioprocess Engineering  |
| CHEE 487                         | Polymer Engineering  | CE      | CHEE | Elements of Polymer Science & Engineering   |
| CHEE 410                         | Separation Processes   | CE      | CHEE | Chemical Engineering Design and analysis  |
| CHEE 310                         | Reactive Process Engineering                                     | CE      | CHEE | Chemical Reaction Egnineering   |
| CHEE 490                         | Renewable Energy   | CE      | CHEE | Renewable Energy Resources  |
| EECE 320                         | Computer Organization and Architecture                           | CE      | EECE | Computer Organization and Design: the Hardware/Software Interface   |
| EECE 130<br>EECE 230<br>EECE 231 | Computers and Programming I, II & Data Structures and Algorithms | CE      | EECE | C ++ Programming: Program Design Including Data Structures,   |
| EECE 220                         | Digital Systems Design   | CE      | EECE | Digital Fundamentals  |
| ENGR 300                         | Engineering Economy  | CE      | ENGR | Engineering Economy, Global Edition   |
| EECE 210<br>EECE 211             | Electric Circuits I & II   | CE      | EECE | Electrical Circuits, Global Edition   |
| EECE 340                         | Signals and Systems  | CE      | EECE | Signals & Systems   |
| EECE 342                         | Communication Systems  | CE      | EECE | An Introduction to Analog and Digital Communications  |
| EECE 350                         | Fundamentals of Electric Power Engineering                       | CE      | EECE | Electrical Machines, Drives and Power Systems   |
| EECE 330                         | Software Engineering   | CE      | EECE | Software engineering  |
| EECE 422                         | Information Theory and coding                                    | CE      | EECE | Fundamentals of Information Theory and Coding Design  |
| EECE 221                         | Microprocessor Systems   | CE      | EECE | Interfacing PIC Microcontrollers  |
| CIVE 210                         | Statics  | CE      | CIVE | Mechanics for Engineers:Statics   |
| CIVE 265                         | Surveying and GPS  | CE      | CIVE | Elementry Surveying an introduction to geomatics  |
| CIVE 213                         | Strength of Materials  | CE      | CIVE | Mechanics of materials  |
| CIVE 230                         | Geotechnical Engineering   | CE      | CIVE | Principle of Geotechnical engineering   |
| CIVE 221                         | Construction Materials   | CE      | CIVE | Materials for Civil and costruction Engineers   |
| CIVE 250                         | Structural Analysis I  | CE      | CIVE | Structural Analysis   |
| CIVE 241                         | Fluid Mechanics  | CE      | CIVE | A breif Introduction to fluid mechanics   |
| CIVE 325<br>CIVE 420             | Concrete I & II  | CE      | CIVE | Design Concrete structures In SI units)   |
| CIVE 451<br>CIVE 350             | Environmental Engineering & Water and Wastewater Treatment       | CE      | CIVE | Introduction to environmental engineering   |
| CIVE 480                         | Construction Management  | CE      | CIVE | Construction Project Management,a practical guide to field consturction management                        |
| CIVE 361                         | Transportation Engineering                                       | CE      | CIVE | Traffic and Highway Engineering   |

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|-----------|---|---------|------|---|
| CIVE 430  | Foundation Engineering                          | CE      | CIVE | Principles of foundation engineering                                  |
| MECH 413  | Air Conditioning                                | CE      | MECH | Refrigeration, air Conditioning and Heat Pumps                        |
| MECH 414  | Gas Turbines                                    | CE      | MECH | Gas Turbine Theory  |
| ENGR 100  | Introduction to Engineering                     | CE      | MECH | Science for Engineering   |
| MECH 270  | Properties of Materials                         | CE      | MECH | Fundamentals of Materials Science and Engineering (5th Edition)       |
| MECH 272  | Mechanical Statics                              | CE      | MECH | Engineering Mechanics: Statics  |
| MECH 275  | Thermodynamics                                  | CE      | MECH | Thermodynamics  |
| MECH 372  | Control Systems                                 | CE      | MECH | Control System Engineering  |
| MECH 314  | Fluid Power                                     | CE      | MECH | Fluid Power with Applications   |
| MECH 278  | Manufacturing Processes                         | CE      | MECH | Introduction to Manufacturing Processes                               |
| ENGR 105  | Engineering Graphics                            | CE      | MECH | Mastering AutoCAD 2014 and AutoCAD LT 2014                            |
| EECE 341  | Electromagnetic Field Theory I & II             | CE      | EECE | Electromagnetics for Engineers,                                       |
| EECE 344  |   |         |      |   |
| EECE 360  | Control system                                  | CE      | EECE | Control System Engineering  |
| EECE 470  | Computer Network                                | CE      | EECE | Data Communication and networking                                     |
| CHEE 280  | Mass Transfer                                   | CE      | CHEE | Principle of Heat and Mass Transfer                                   |
| CHEE 450  | Mass Transfer                                   | CE      | CHEE | Material science Engineering  |
| CHEE 275  | Thermodynamics for Chemical Eng                 | CE      | CHEE | Introduction to chemical Engineering Thermodynamics                   |
| EECE 450  | Artificial Intelligence                         | CE      | EECE | Artificial Intelligence: A Modern Approach                            |
| MECH 431  | Mechanical Vibration                            | CE      | MECH | Engineering Vibration   |
| MECH 374  | Instrumentation and Measurement                 | CE      | MECH | Theory and Design for Mechanical Measurements                         |
| MECH 276  | Strength of Materials                           | CE      | MECH | Introduction to Solid Mechanics                                       |
| MECH 450  | Computer Applications in Mechanical Engineering | CE      | MECH | Introduction to Solid Modeling Using SolidWorks 2017                  |
| MECH 373  | Mechanical Design I                             | CE      | MECH | Machine Design  |
| MECH 279  | CAD/CAM & CNC Machines                          | CE      | MECH | Automation, Production Systems, and Computer-Integrated Manufacturing |
| CIVE 331  | Steel Design                                    | CE      | CIVE | Steel Design  |
| INTA 150  | History of Architecture & Interior Design I     | CE      | ARCH | History of Interior Design  |
| INTA 151  | History of Architecture & Interior Design II    | CE      | ARCH | The Illustrated History of Islamic Architecture                       |
| INTA 203A | Design Theories II                              | CE      | ARCH | New Portable Architecture: Designing Mobile & Temporary Structures    |
| INTA 305A | Design Theories IV                              | CE      | ARCH | Santiago Calatrava, Complete Works                                    |
| INTA 335  | Modern Practice                                 | CE      | ARCH | Modern Architecture A-Z   |
| INTA 445  | Design Management                               | CE      | ARCH | Interior Design Management: A Handbook for Owners and Managers        |