

List of Courses (TUAT AIMS Programme 2014/2015)

| Department of Chemical Engineering | | Credits | Semester |
|---|---|---------|-----------|
| 1 | Separation Process I | 3 | Fall 2014 |
| 2 | Environmental Engineering and Sustainability | 3 | Fall 2014 |
| 3 | Chemical Reaction Engineering | 3 | Fall 2014 |
| 4 | Chemical Engineering Laboratory | 3 | Fall 2014 |
| 5 | Physical Chemistry for Engineer | 3 | Fall 2014 |
| 6 | Optimisation in Chemical Processes | 3 | Fall 2014 |
| Department of Mechanical Systems Engineering | | Credits | Semester |
| 1 | Control Engineering | 3 | Fall 2014 |
| 2 | Engineering Component Design | 3 | Fall 2014 |
| 3 | Mechanics of Machines and Vibration | 3 | Fall 2014 |
| 4 | Numerical Methods | 3 | Fall 2014 |
| 5 | Mechanical Systems Experiment II (Laboratory) | 1 | Fall 2014 |
| 6 | Mechanical Systems Laboratory Project | 2 | Fall 2014 |
| 7 | Advances in Mechanical Systems | 2 | Fall 2014 |
| Department of Electrical and Electronic Engineering | | Credits | Semester |
| 1 | Communication Electronics | 3 | Fall 2014 |
| 2 | Control System | 3 | Fall 2014 |
| 3 | Microprocessor and Microcontroller | 3 | Fall 2014 |
| 4 | Numerical Methods | 3 | Fall 2014 |
| 5 | Power Electronics and Drives | 3 | Fall 2014 |
| 6 | Electronic Engineering Laboratory | 2~4 | Fall 2014 |
| Department of Computer and Information Science | | Credits | Semester |
| 1 | Artificial Intelligence | 3 | Fall 2014 |
| 2 | Signal Analysis and Pattern Recognition | 3 | Fall 2014 |
| 3 | Logic Design and Computer Architecture | 3 | Fall 2014 |
| 4 | Research Activity in a Specific Area | 3 | Fall 2014 |
| 5 | Advanced Computer Mathematics | 2 | Fall 2014 |
| 6 | Advanced Information Theory | 2 | Fall 2014 |
| General Courses | | Credits | Semester |
| 1 | Fundamental Physics and Mathematics for Engineering | 2 | Fall 2014 |
| 2 | Materials Science | 2 | Fall 2014 |