



ADARSH MANAGEMENT INSTITUTE OF INDIA

B.Tech in Chemical Engineering

Course Name: B.Tech in Chemical Engineering

Duration: 4 Years

Eligibility: 10+2 with Physics, Chemistry & Mathematics

Lateral Entry: Candidate who has three year diploma after 10th can enroll for 3rd Semester of B.Tech. Candidate who has completed B.Sc(PCM) can enroll for 3rd Semester of B.Tech.

First Semester	Second Semester
1. Mathematics-I 2. Chemistry 3. Electrical Technology 4. Mechanics 5. Introduction of Manufacturing Process 6. Constitution of Indian Politics and Ethics 7. English Communications-I 8. Project I	1. Technical English 2. Mathematics-II 3. Engineering Physics-II 4. Engineering Chemistry-II 5. Engineering Graphics 6. Project II
Third Semester	Fourth Semester
1. Engineering Mathematics 2. Organic Chemistry 3. Basics of Mechanical Engineering 4. Instrumental Method of Analysis 5. Project III	1. Basics of Electrical Engineering 2. Numerical Methods 3. Material Science and Technology 4. Environmental science 5. Chemical Engineering- Thermodynamics-I 6. Project IV
Fifth Semester	Sixth Semester
1. Heat Transfer 2. Mass Transfer – I 3. Chemical Process Industries 4. Professional Ethics and Human Values 5. Total Quality Management 6. Project V	1. Chemical Engineering- Thermodynamics-II 2. Mass Transfer – II 3. Process Instrumentation and Control 4. Chemical Reaction Engineering – I 5. Petroleum Refinery Engineering 6. Project VI
Seventh Semester	Eighth Semester
1. Chemical Reaction Engineering – II 2. Process Plant Utilities 3. Transport Phenomena 4. Elective-I 5. Elective-II 6. Technical Seminar 7. Chemical Reaction Engineering	1. Petrochemicals Engineering 2. Elective-III 3. Elective-IV 4. Petro Products Testing Lab 5. Project
Elective-I &II	Elective-III &IV
1. Project Engineering and Process Plant	1. Process Optimization

2. Fluidization Engineering 3. Safety and Hazard Control 4. Food Technology	2. Fertilizer Technology 3. Polymer Technology 4. Computer Technology For Chemical Engineering
---	--