

West Bengal State Council of Technical &
Vocational Education and Skill
Development
(Technical Education Division)



Syllabus
of

Advanced Diploma in Industrial Safety
(ADIS)

1 year (Full time)

2023

ONE YEAR ADVANCED DIPLOMA IN INDUSTRIAL SAFETY

Eligibility for Admission

- **A Degree from recognised University with any branch of Engineering / Technology.**

OR

- **A Degree in Science of a University recognised by UGC with Physics, Chemistry & Mathematics.**

OR

- **A Diploma in any branch of Engineering or Technology recognised by the West Bengal State Council of Technical Education.**

Duration

Two Semester Course: 1 year.

Three Semester Course: 1½ year

One year (Full time) Advanced Diploma in Industrial Safety

CURRICULAR STRUCTURE FOR FIRST SEMESTER

Sl. No.	Subject Code	Subject of Study	Contact Periods / Week			Examination Scheme				Full Marks	
						Internal		External			
		Theoretical Papers	Lecture	Tutorial	Sessional	Assessment	Attendance	Objective	Subjective	Th.	Ses.
1.	IS-101	Safety, Health & Environmental Management	3	1	—	20	5	30	45	100	—
2.	IS-102	Safety Engineering	4	-	—	20	5	30	45	100	—
3.	IS-103	Appraisal, Analysis, Inspection & Quality Control Procedures	3	1	—	20	5	30	45	100	—
4.	IS-104	Industrial Hygiene, Occupational Health & Applied Ergonomics	4	—	—	20	5	30	45	100	—
		Sessional Papers	Lecture	Tutorial	Sessional	Internal		External		Th.	Ses.
7.	IS-105	Industrial Hygiene & Occupational Health Lab.	—	—	3	50		50		—	100
8.	IS-106	Term Work	1	—	2	25		25		—	50
Total			19	3	8	—		—		400	150

CURRICULAR STRUCTURE FOR SECOND SEMESTER

SL. No.	SUBJECT CODE	SUBJECT OF STUDY	CONTACT PERIODS / WEEK			EXAMINATION SCHEME				FULL MARKS	
						INTERNAL		EXTERNAL			
		THEORETICAL PAPERS	LECTURE	TUTORIAL	SESSIONAL	ASSESSMENT	ATTENDANCE	OBJECTIVE	SUBJECTIVE	TH.	SES.
9.	IS-201	SAFETY, HEALTH & ENVIRONMENT LEGISLATION	4	—	—	20	5	30	45	100	—
10.	IS-202	ENVIRONMENTAL MANAGEMENT & SAFETY PHILOSOPHY	3	1	—	20	5	30	45	100	—
11.	IS-203	CHEMICAL & PROCESS SAFETY IN INDUSTRY	3	1	—	20	5	30	45	100	—
12.	IS-204	SAFETY IN CONSTRUCTION INDUSTRY	4	—	—	20	5	30	45	100	—
13.	IS-205	FIRE SAFETY MANAGEMENT	3	1	—	20	5	30	45	100	—
		SESSIONAL PAPERS	LECTURE	TUTORIAL	SESSIONAL	INTERNAL		EXTERNAL		TH.	SES.
18.	IS-206	SAFETY ENGINEERING LABORATORY	—	—	3	25		25		—	50
19.	IS-207	PROJECT	—	—	3	50		50		—	100
TOTAL			19	3	6	—		—		500	150

- Semester-1 & 2 is of 17 weeks duration of which 15 weeks for contact week, 2 weeks for Internal Assessment.
- **Each week consists of 30 contact periods including tutorials and practical. Each period will be of one-hour duration.**
- Mark distribution in Semester - 1 & 2:- 550 in Semester - 1 and 650 in Semester - 2: Total 1200.
- **Hour of examination for semester examination is 3 hours.**
- Classes will be held five days in a week for the one-year course.

1 ½ YEAR (Part Time) COURSE (3 SEMESTERS)

Semester-1

Sl. No.	Subject Code	Number of Hours	Full Marks
1.	IS-101	4	100
2.	IS-102	4	100
3.	IS-104	4	100
4.	IS-105	3	100

Semester-2

Sl. No.	Subject Code	Number of Hours	Full Marks
1.	IS-103	4	100
2.	IS-201	4	100
3.	IS-202	4	100
4.	IS-106	3	50
5.	IS-206	3	50

Semester-3

Sl. No.	Subject Code	Number of Hours	Full Marks
1.	IS-203	4	100
2.	IS-204	4	100
3.	IS-205	4	100
4.	IS-207	3	100

