

(Bachelor of Vocation) – Welding Technology

Duration: 3 Years (6 Semesters)

Program Type: Undergraduate Degree Program

Specialization: Welding Technology

Note: Subject codes may vary by university. The following is a standard . Welding Technology syllabus with sample subject codes.

Semester I

Subject Code	Subject Name
WT101	Communication Skills
WT102	Applied Mathematics
WT103	Applied Physics
WT104	Engineering Drawing
WT105	Fundamentals of Welding Technology
WT106P	Welding Workshop Practice-I
WT107	Computer Fundamentals

Semester II

Subject Code	Subject Name
WT201	Engineering Materials
WT202	Electrical and Electronics Basics
WT203	Welding Metallurgy
WT204	Welding Safety and Health
WT205	Gas Welding and Cutting Techniques

Subject Code	Subject Name
WT206P	Welding Workshop Practice-II
WT207	Environmental Studies

Semester III

Subject Code	Subject Name
WT301	Arc Welding Processes
WT302	Welding Inspection and Testing
WT303	Fabrication Technology
WT304	Welding Power Sources
WT305	Industrial Training-I
WT306P	Practical Welding Lab-I
WT307	Entrepreneurship Development

Semester IV

Subject Code	Subject Name
WT401	Advanced Welding Processes
WT402	Non-Destructive Testing (NDT)
WT403	Welding Quality Control
WT404	Production Planning and Control
WT405	Industrial Training-II
WT406P	Practical Welding Lab-II

Subject Code	Subject Name
WT407	Industrial Management

Semester V

Subject Code	Subject Name
WT501	Automated and Robotic Welding
WT502	Welding Design and Symbols
WT503	Maintenance of Welding Equipment
WT504	Project Management
WT505	Welding Codes and Standards
WT506P	Advanced Welding Practice
WT507	Minor Project

Semester VI

Subject Code	Subject Name
WT601	Emerging Trends in Welding Technology
WT602	Fabrication and Construction Management
WT603	Quality Assurance in Welding
WT604	Industrial Safety Management
WT605	Major Project
WT606P	Comprehensive Viva Voce
WT607	Internship Report

