

**Degree Structure for Specialist of Foundry of Ferrous and Non-ferrous Metals**

**Fifth Year**

First Semester		Second Semester	
Course Title	Credit	Course Title	Credit
Foreign Language of professional direction	1,5	Foreign Language of professional direction	1,5
Basics of Management	1,5	Intellectual Property	1
Cast-Iron Foundry	3	Basics of Marketing	1,5
Steel Foundry	3,5	Construction of Foundry Details	3,5
Special and Extraordinary Foundry Types	5,5	Planning of casting workshops. Course Project	1,5
Bases of scientific researches and theory of Experiment	4	Casting of Non-Ferrous Alloys	4,5
		Automated Control Systems of Foundry Technological Processes	3
Bases of scientific and technical creation	2	Labour Protection in the Branch	1
Scientific Researches of Foundry Processes-1	3,5	Computer-Aided Design Systems	3
Planning of casting workshops	2	Scientific Researches of Foundry Processes-1	3,5
Civil defence	1		
Elective Courses			
Design of the systems and processes	2,5	Computer Technologies in Foundry	7,5
Total	30	Total	31,5

**Specialization:** Technologies of artistic and jeweler casting

Technologies of artistic and jeweller casting-1: Metals and alloys for artistic and jeweler casting	2,5	Technologies of the artistic and jeweller casting-2: Technologies of making of artistic and jeweler goods	4,5
Total	2,5	Total	4,5

**Specialization:** Making of poured stomatological and orthopedic prostheses

Making of poured stomatological and orthopaedic prostheses -1: Anatomy, <u>biocompatible</u> alloys and technology of making prostheses	3,5	Making of poured stomatological and orthopaedic prostheses -2: Technologies of melting of <u>biocompatible</u> alloys, whole piece prostheses and protective covering	3,5
Total	3,5	Total	3,5

**Specialization:** Computerizing of technological processes

Computerizing of technological processes-1. Technical support of computer technologies of processes of Casting	3	Computerizing of technological processes-2. Software support of computer technologies of processes of casting	4
Total	3	Total	4

**Sixth Year**

First Semester		Second Semester	
Course Title	Credit	Course Title	Credit
Pregraduation Practical Training	12		
Graduation Thesis Projecting	21		
Total	33	Total	