

Webquest

WELDING

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1. What is your job description within your trade?

Our profession is very important for the modern world. It is need for any area of life. The modern world cannot exist without a metallurgist. For example the Golden Gate Bridge was built by ironworkers. How about the Oil Sands Plant Expansion in Alberta?

If there were no ironworkers, cities like New York, Chicago, Quebec and Los Angeles would look very different than they do today - no skyscrapers, no bridges, no office buildings.

Transportation would be radically different too. How would the millions of commuters every day get to work without the bridges

built by - you guessed it - ironworkers.



the work of the metallurgist is not so simple. It requires a lot of knowledge and skills. But first, of course, you need to get a preliminary education. The necessary education can be obtained at a higher educational institution, but for the metallurgist to work, education is not enough, practice is needed. Graduating apprentices attain journeyman status and receive full pay for the skills they have earned



2. What prior education do you need to start with the trade organization?



Ironworking has many sectors. Each sector involves challenging and difficult work, often on tall structures at high elevations. Ironworkers must be willing to work as a team. They must be able to meet rigid standards and deadlines. They must have a good sense of balance and be alert to potential danger to themselves and others. The apprenticeship program includes comprehensive safety training.

.The road to becoming a journeyman ironworker is through apprenticeship training. The Iron Workers apprenticeship program is a well-organized and supervised method of training people, with little or no knowledge of the craft, to become journeymen ironworkers qualified in all segments of the trade

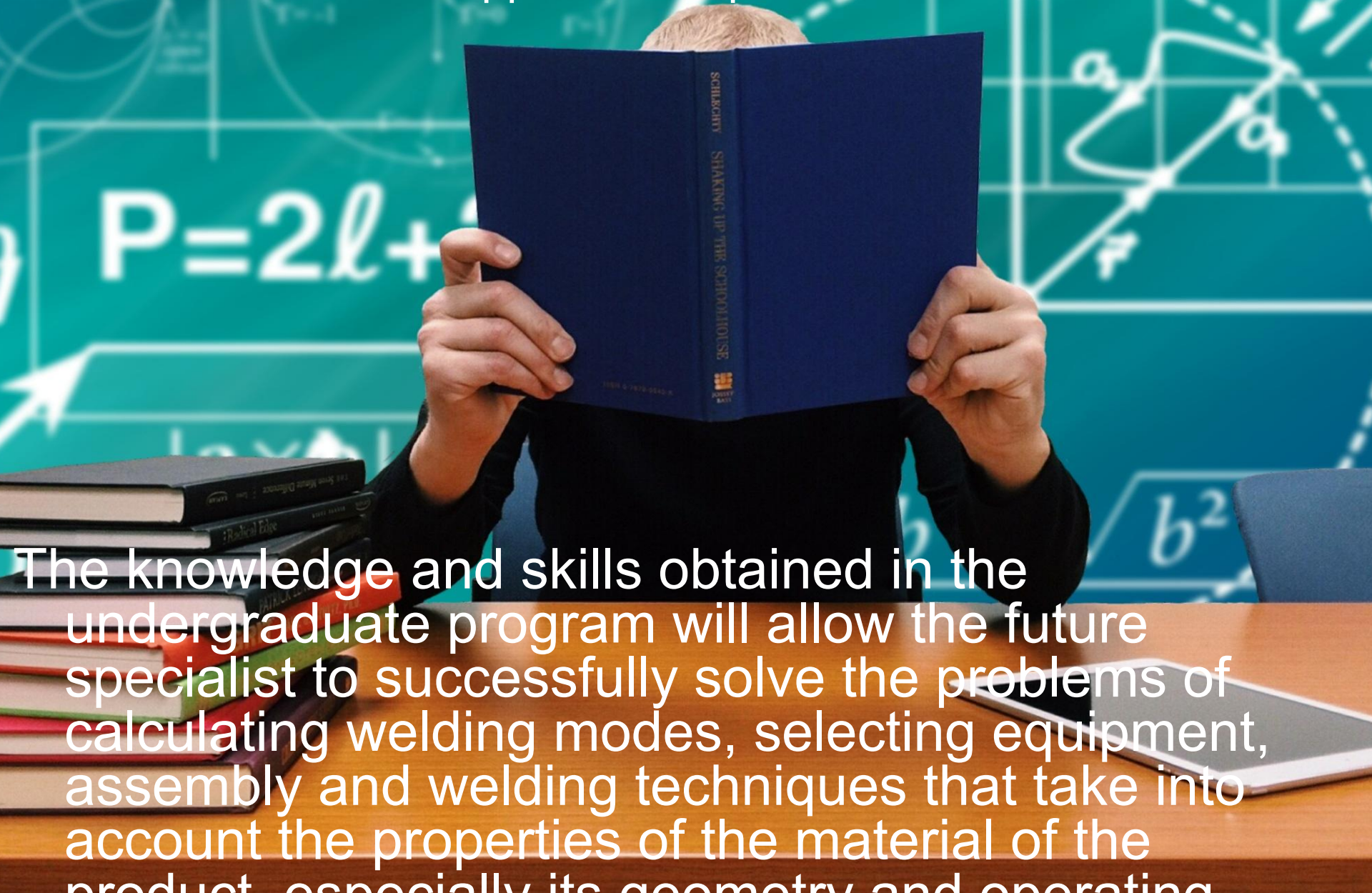


3. How long is an apprenticeship program?



Apprentices earn while they learn, working on the job alongside the journeymen. In addition, they attend classes of related and supplemental instruction, approximately 160 hours per year for four years.

What type of education will you get out of your apprenticeship?



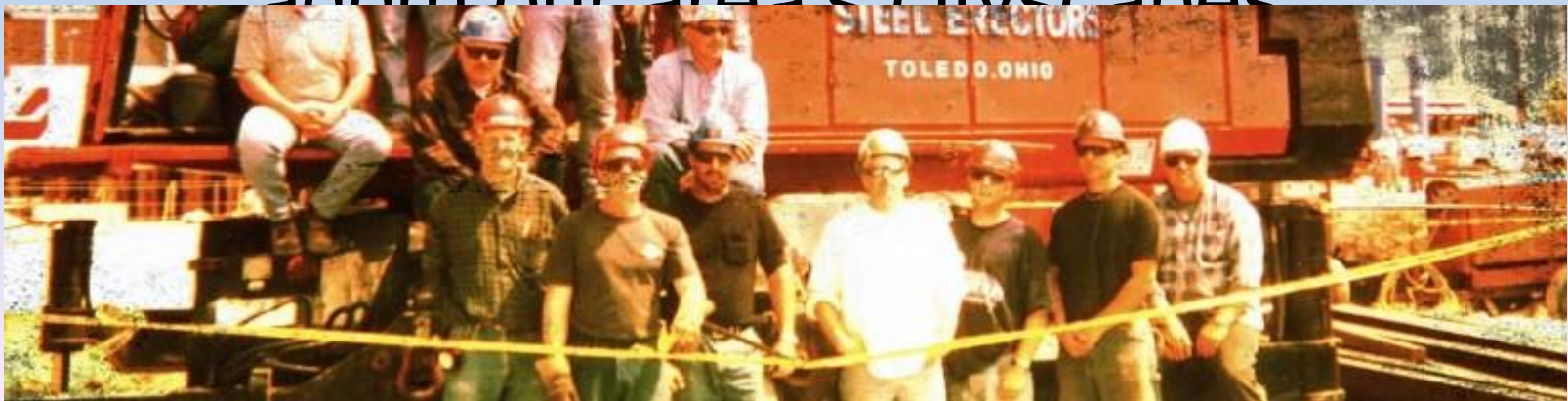
The knowledge and skills obtained in the undergraduate program will allow the future specialist to successfully solve the problems of calculating welding modes, selecting equipment, assembly and welding techniques that take into account the properties of the material of the product, especially its geometry, and operating

After studying at the bachelor's program, you can continue studying at the master's program, where the assessment of weldability, modeling and design of new welded joints with mechanical heterogeneity, and robotics of welding production are deeply studied.



Ironworkers Local 55 is comprised of more than 1,000 of the most highly-skilled and trained construction professionals throughout Northwest Ohio.

We have been vital to the construction industry throughout the city of Toledo and across Northwest Ohio for over 100 years, contributing to the countless buildings and structures that adorn our area's cityscapes.



Welding is one of the leading technological processes of modern industry, the degree of development of which determines the level of technology in metallurgy, mechanical engineering, construction and several other sectors of the world economy. More than half of the gross national product of industrialized countries is created by welding and related technologies. Up to 2/3 of the global consumption of rolled steel goes to the production of welded structures and structures



Thanks for attention