

Ingenjör 4.0

Initiated by The Swedish Production Academy for Produktion2030



Ingenjör 4.0 is for engineers who want to keep their curriculum up to date and become the drivers in accelerating the innovation within Swedish industrial production.

The upskilling package Ingenjör 4.0 is a direct response to identified skills gaps in Sweden. The learning content is co-created by 13 of the most prominent local universities. The fifteen modules are short and flexible to fit in the flow of work into everyday life.

Since the start in 2020, engineers from companies like Volvo, SKF, and AFRY have started their upskilling journey with Ingenjör 4.0. The modules include topics such as Cyber Physical Systems and Digital Twins, Big Data Machine Learning and Sensors, Human Robot Collaboration, Standards and Interoperability in Digitized Industry, and much more.

Human-Robot Collaboration

“The module is formed perfectly with enough content to make it valuable as a study and understanding material and not too much content to make it harder to follow. In simple words, I would say the module was on point what I was looking for”

Gabriel Sebastian,
Industrial Ph.D. student at Volvo Group.

Standards and Interoperability

“This module was more than 20 hours, but it was worth it! So good and such high quality. Great work!”

Magnus Bjerkne Gerdin,
Senior Solutions Architect at SKF.



A man with short dark hair, wearing a dark blue button-down shirt, is focused on his work at a workbench. He is using a tool to work on a small component. A microscope is visible on the left side of the workbench. The background shows a workshop or laboratory setting with various tools and equipment.

Ingenjör 4.0 offers

Quality-assured reskilling education to meet the fourth industrial revolution adapted to local industry needs

- 15 unique comprehensive modules
- A Certificate is awarded for each completed module

Education that supports active learning

- Follows clear learning paths
- Includes a variety of learning activities, such as self-tests, reflections, video lectures and webinars
- Interaction with other participants from different companies and teachers from Swedish top universities

Education to be combined with everyday work

- Requires about 4 hours per week over 5 weeks to complete
- Spent in most parts at the learner's convenience
- Easy access through a web-based learning platform

Education quality-assured

- Led by prominent teachers from Swedish Universities
- Module evaluations that capture suggestions for further improvements