
Built in.
Not bolted on.

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Siemens Mechatronic Systems Certification
Program





I am industry.

Workplace readiness, built into technical programs. Practices that prepare for careers.

Putting readiness skills into what students already do

Assessing with workplace perspective

Connecting it to the credential pathway



Put the workplace requirement into the coursework.

Assign a live job posting as the reading

Grade lab write-ups like work orders

Rotate roles and hand off between teams

Debrief the safety stop, not just the fix

Have students brief a non-technical audience

Have students build a portfolio and knowledge base they will use

Reflection: what gets assigned and how it gets graded.

As AI absorbs the routine work, documentation, communication, and judgment are what remain.

Assess the way employers see it.

What employers observe

Behavior in hiring

- Communicate and collaborate
- Receive and act on information
- Solve problems
- Respond to unfamiliar situations

In the classroom

Where it can be graded

- Rotating team roles on multi-week projects
- Revising work after a review, then showing the change
- Troubleshooting a fault they were not briefed on
- Adapting to equipment they did not train on

The closer the classroom evidence sits to the workplace behavior, the more distance the certification reaches.





Best practices start in the technical work. Teach and assess these skills inside the lab, not beside it.

Programs that get the most out of WRS treat it as part of technical instruction, make the value visible to students, and connect it to the accomplishments they are already working toward.

What works

- Embed it: assess communication, documentation, and teamwork in labs
- Make it concrete: tie each skill to what it looks like on the job
- Connect it: map WRS to the certificate, degree, and certification pathway



An intermediate win - Early milestones support retention, confidence, and sustained development.

Completion does not equal competency.

Technical skills help students qualify for an opportunity. Durable skills help them contribute, earn trust, and continue growing after that opportunity begins.

How to talk about it with students

- A milestone they can earn now, while a degree or certificate is still ahead
- Evidence of the behaviors employers evaluate in hiring and in promotion
- A foundation for technical certification such as Siemens Mechatronics

Thank you

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Certification Program

Systems Essentials for Technicians: **IS**ET and **S**ET Up for Industry

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