

WHAT IS THE ADSO PROGRAM AT SENA?



ADSO stands for Software Analysis and Development. It is a technological program at SENA aimed at training professionals capable of:

- Analyzing software requirements.
- Designing solutions.
- Programming and maintaining applications.
- Participating in the entire software lifecycle, from idea to implementation and maintenance.

This program is aligned with the demands of the technology and software/web/app development



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SOFTWARE ANALYSIS AND DEVELOPMENT

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WHAT HAPPENS WHEN YOU ENTER ADSO?

1. Induction

When entering, students receive a general induction that includes:

- How SENA works.
- Institutional rules and regulations.
- Sofia Plus platform.
- Rights and responsibilities.
- Virtual/in-person study strategies.
- Integration activities

2. Lective stage

This is a theoretical and practical phase where areas such as:

Programming fundamentals, Algorithmic logic, Databases (SQL), Web development (HTML, CSS, JS, frameworks), Object-oriented programming, Project documentation, Agile development (Scrum, Kanban), Basic software security, Use of Git and GitHub.

During this stage, students work on practical projects, often in groups, simulating real work environments.

3. Productive stage (about 6 months)

Also known as the business practice or apprenticeship contract stage. Here:

- The student applies what they learned in a company (either in-person or remotely).
- SENA helps find a placement, but you can also search on your own.
- A final report or productive project is delivered.

In some cases, if a company cannot be found, an independent productive project approved by SENA can be developed.

Transversal Competencies in ADSO

In ADSO, it's not just about learning to program — key skills for professional work are also developed:

✓ **Effective communication:** clearly expressing technical ideas.

✓ **Teamwork:** collaborating with others on real projects.

✓ **Problem-solving:** finding logical and efficient solutions.

✓ **Critical thinking:** analyzing and improving technical decisions.

✓ **Self-learning:** adapting and learning on your own.

Expectations about ADSO

1

I hope to learn how to code websites and apps.

2

I hope to create real projects from scratch.

3

I hope to develop my own software or app.

4

I hope to improve my tech skills.

5

I hope to learn different programming languages.

BENEFITS OF STUDYING ADSO AT SENA

- 📚 Free, high-quality education with qualified instructors.
- 💻 Hands-on learning with real-world projects from the start.
- 🤝 Connection with companies to gain experience through internships.
- 🚀 Development of key skills, both technical and personal.
- 🎓 Technologist certification with strong demand in the job market.

ADSO doesn't just teach programming — it empowers you to build real solutions.

CAREER OBJECTIVE

To train technologists capable of developing software that solves real problems, applying good coding practices, documenting their processes properly, and working in teams using agile methodologies.