Internship Placement Profile:
8-Week Internship in Barcelona
Technology & IT

Program Overview

This 8-week Internship program is designed for American university students seeking hands-on experience in a technology or IT company. The internship will provide exposure to software development, IT support, data analysis, and cybersecurity, equipping students with both technical and problem-solving skills.

Language

- English (basic knowledge of Spanish helpful, but not required)

Internship Structure

- **Duration:** 8 weeks

- **Location:** Barcelona, Spain

- **Work Schedule:** 6-8 hours per day, Monday to Thursday. The schedule for an 8 hours per day placement would be 9:00 AM – 5:00 PM Mon-Thurs with a 1-hour lunch break. If your placement is fewer hours per week, your schedule would be adjusted accordingly.

- **Total Hours:** 180-240

- **Academic Credits:** To receive transfer credit, you must obtain pre-approval from your home institution. Start by asking your study abroad advisor at your home institution for details, and feel free to contact ASA with any questions.

- **Requirements:** Please see Requirements list at end of this document

- Unpaid

What Students Will Gain

- Deeper understanding of the Technology/IT industry and workplace in Spain

- Global awareness and intercultural sensitivity

- Practical skills in communication, research, project planning, and event support

- Increased self-confidence, clarity of purpose, and professional growth

- See also: Learning Objectives

Learning Objectives

By the end of the internship, students should be able to:
✅ Apply coding and software development skills in real-world projects
✅ Troubleshoot technical issues and provide IT support solutions
✅ Analyze data to improve decision-making processes
✅ Understand cybersecurity fundamentals and best practices
✅ Work collaboratively within an IT team on product or service development

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Internship Breakdown

Week 1 – Onboarding and Training

- Introduction to the company, team, and project assignments

- Overview of tools and platforms used (GitHub, Jira, cloud computing, etc.)

- Training on internal systems, software, and cybersecurity protocols

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Weeks 2–4 – Software Development & IT Support Focus

Tasks & Activities:

- Assist in coding and debugging software applications

- Develop and test web or mobile applications

- Provide basic IT support for internal systems

- Participate in troubleshooting and resolving hardware/software issues

- Write technical documentation and reports

Weeks 5–8 – Data Analytics & Cybersecurity Focus

Tasks & Activities:

- Analyze datasets to identify trends and insights

- Support in database management and optimization

- Assist in cybersecurity audits and vulnerability testing

- Research and propose improvements for network security

- Contribute to automation processes or AI-related projects

Supervision and Mentoring

- **Assigned Supervisor:** A designated mentor will provide technical guidance and weekly feedback.

- **Mentor Meetings:** Bi-weekly sessions for discussing challenges and learning objectives.

Assessment and Feedback

- **Midpoint Evaluation:** Performance review and skill assessment.

- **Final Evaluation:** Student presents a summary of contributions and technical learnings.

Complementary Learning Activities

To enhance your internship experience and provide broader insight into your field, the program will include 2-4 activities outside of work hours that complement your internship. Examples include:*

Visit to a Barcelona-Based Tech Hub or Startup Incubator

- Explore the innovation ecosystem in Barcelona's thriving tech sector.

- Learn about emerging trends in software, AI, and cybersecurity.

Tour of a Major Data Center or IT Infrastructure Site

- Understand how large-scale data storage and cloud computing function.

- Engage in a Q&A session with IT specialists.

Networking Event with Local Tech Entrepreneurs & Developers

- Meet professionals from Barcelona's tech scene.

- Gain insights on career paths in software development, IT, and data science.

Workshop – Ethical Hacking & Cybersecurity Trends

- Hands-on training on penetration testing and security best practices.

- Discussion on real-world cybersecurity challenges and case studies.

Example activities shown here. Activities may vary based on availability.

Requirements

- Minimum GPA 2.70 (Applicants with GPA between 2.60-2.69 will be considered on a case-by-case basis)

- 19 years of age, by the time the program starts

- Must have completed at least 2 semesters (minimum 24 credits) at a U.S. or Canadian college, university, or community college before the program starts

- Résumé or CV

- Cover Letter describing your motivation and interest in this specific placement (1-2 pages)

- Unofficial transcript from your college or university

- [Internship Questionnaire](#)

- Optional for GPA 2.70 or higher: Academic or professional recommendation letter

- Required for GPA 2.60-2.69: Academic or professional recommendation letter