

CYBER SECURITY SPECIALIST (CSS)

SWISS PROFESSIONAL BACHELOR (BREVET FEDERAL)

The Cyber Security Specialist with Federal Professional Certificate (Brevet fédéral) is a highly specialised professional working within medium or large private companies or public institutions. Their core tasks are the preventive protection of an organisation's information and communication systems against cyberattacks, and the reactive management of security incidents; they may lead small teams or take responsibility for individual work packages within projects. Source: ICT-Formation professionnelle Suisse, règlement d'examen du 6 mai 2019, ch. 1.21.

Programme Structure

Language of study: English

Language of federal exam: French, German or Italian (English – coming soon); Part 1 (Cybersecurity) case statements are given in English for all candidates

Official duration: 24 months (2 years)

Total training hours: 274 h — 92 h pre-recorded + 182 h live online

Qualification awarded in case of successful exam: Professional Bachelor, specialisation Cyber Security (Specialist with Federal Professional Certificate (Brevet fédéral))

Mode of delivery: Blended — pre-recorded theory modules + live online sessions, alternating fortnightly

Start of classes: 1 February 2027

Admission Requirements

Candidates are admitted if they meet one of the following four conditions:

- a) Hold a Federal VET Diploma (CFC) in ICT and have at least 2 years of professional practice in information security or cybersecurity.
- b) Hold a CFC, a general upper-secondary school diploma, or an equivalent qualification, and have at least 4 years of professional practice in ICT, including at least 2 years in information security or cybersecurity.
- c) Have at least 6 years of professional practice in ICT, including at least 2 years in information security or cybersecurity.
- d) Have successfully completed cyber training within the Swiss Armed Forces and have at least 1 year of professional practice in information security or cybersecurity.

Recognised CFC diplomas under condition (a) include: ICT specialist, ICT specialist (construction), Mediamatician, ICT operator, Digital business developer, and Electronics technician. Source: règlement d'examen du 6 mai 2019 (ch. 3.31) and directive du 6 octobre 2025 (ch. 3.1), ICT-Formation professionnelle Suisse.

Foreign Applicants

Foreign candidates must have a sufficient level of French, German or Italian (or English, from 2027) to sit the federal exam. Responsibility for meeting this linguistic level lies with the candidate.

Exam sessions are held in person in Switzerland — the written and practical exam as well as the oral exam take place in Bern. Foreign applicants are responsible for completing all administrative steps required to obtain a visa and for their own travel costs to Switzerland. SIIL can assist with the visa application process.

Federal Exam Structure

Exam part	Weight	Format
Part 1 — Cybersecurity	60%	Practical case study, 5 h
Part 2 — Projects & business economics	20%	Written case study, 2 h
Part 3 — Leadership & communication	20%	Oral case study + professional interview, 45 min

Modules & Competencies Studied

Code	Competency	Module	Exam part
M679	Threat intelligence	Cyber Threat Intelligence (CTI) — collection, evaluation, documentation	Part 1
M680	Security audit	Audit ICT infrastructure security — testing, vulnerabilities, reporting	Part 1
M681	Attack detection	Detect & counter attacks targeting ICT infrastructure	Part 1
M682	Incident management	Manage security incidents	Part 1
M683	Data analysis	Analyse & interpret security data sets	Part 1
M684	Digital forensics	Digital investigation — forensics & malware analysis	Part 1
M685	Vulnerability mgmt	Vulnerability & patch management	Part 1
M686	Technical advisory	Technical advisory & training (optional)	Part 1/3
M687	Requirements engineering	Scope systems & specify requirements	Part 2
M688	Cost management	ICT cost management — budget & control	Part 2
M689	Solution evaluation	Evaluate an ICT solution — acquisition recommendation	Part 2
M690	Project management	Project management — planning, steering, reporting	Part 2
M674	Leadership	Leadership & team management	Part 3

Fees & Practical Information

Preparatory course fee: EUR 8,000

Federal exam fee: CHF 3,300 — includes certificate delivery and file consultation (2026 official tariff; 2027 session tariff not yet published).

Retake fee (per failed part): Cybersecurity CHF 1,900 · Projects & business economics CHF 900 · Leadership & communication CHF 700

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