



Alta formazione in Apprendistato a.a. 2023/2024

Master in CYBERSECURITY

www.mastercybersecuritytorino.it

Dati dell'impresa

Ragione Sociale: BCS Automotive Interface Solutions Italy srl

Sede Azienda: Nichelino (TO)

Sito web azienda: [BCS |\(bcs-ais.com\)](http://BCS |(bcs-ais.com))

Breve descrizione dell'azienda:

At BCS, we combine the experience of an automotive supplier with over 70 years of company history with the challenges of a company that is reinventing itself. From electromechanical controls and intelligent sensors to innovative touch-sensitive surfaces, we develop and produce a wide range of technologically sophisticated HMI and connectivity solutions for vehicle interiors.

Together with the unique collaboration with our sister company, Luxshare ICT – a leading player in consumer electronics, we are striving to shape the connected vehicle interior of the future.

We are a global leader in automotive technologies comprised of 3,600 team members spanning over 12 countries with 8 manufacturing facilities, several engineering hubs and sales offices in Americas, Europe and Asia Pacific.

Ruolo previsto in azienda per il candidato:

The candidate will be introduced inside Cybersecurity team working to develop cybersecurity in automotive ECU.

- Become familiar with cybersecurity features provided by the microcontroller used in the company
- Become familiar with cybersecurity standard used in automotive ISO21434
- Derive from Car maker requirements the cybersecurity requirements based on the microcontroller used
- Implementation in JavaScript of the packages containing secrets shared with car maker (Key Management System)
- Perform cybersecurity analysis ATA and TARA to identify vulnerability and to define cybersecurity controls
- Evaluate different way to test ECU cybersecurity injecting cyber attack
- Smart working opportunity

Area aziendale a cui afferisce il candidato: Cyber Security

**Profilo richiesto:**

- Master's degree (two-year) in cybersecurity / or exams done on cybersecurity
- Basic knowledge of programming
- Knowledge of English and Italian
- Basic knowledge of microprocessor architecture

Soft skills: willingness to learn new things

Ruoli con cui il candidato dovrà interfacciarsi: cybersecurity engineering, cybersecurity manager, SW designer, HW designer

Competenze che il candidato raggiungerà alla fine del percorso formativo:

- Knowledge of the ISO-21434 automotive cyber standard
- Knowledge of the functionalities of HW accelerators for Cyber
- Knowledge of the testing techniques required by ISO-21434
- Knowledge of the SW code rules necessary to implement secure SW.
- Knowledge of Javascript to be written to "package" the keys, certificate and password received from the car maker that must be prepared for flashing in the control unit
- Knowledge of automotive products developed by BCS