

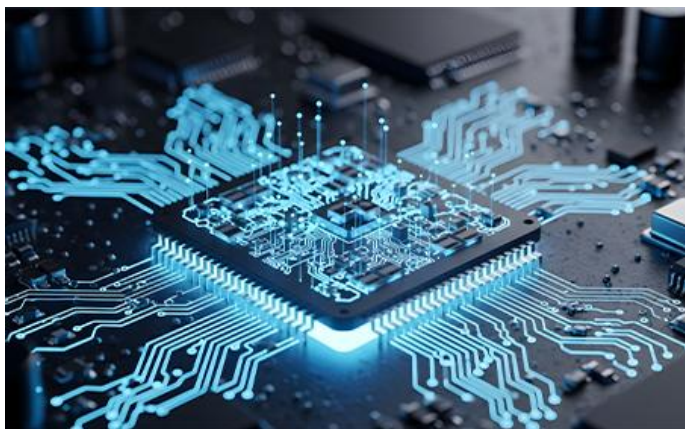


Gdynia Maritime University

Faculty of Computer Science



STUDY OFFER FOR ERASMUS+ INCOMING STUDENTS



***Autonomous Systems Programming** educational track focuses on issues related to hardware programming, that is, various digital systems such as **FPGAs, microcontrollers and PLCs**. Such systems serve as control units for a wide range of devices and systems, including autonomous ones. The curriculum within this track provides specialized knowledge in areas such as **embedded systems, IoT (Internet of Things), Industry 4.0, digital twin technology, and mobile and industrial robots programming**. Through practical projects and teamwork, you will gain the knowledge and experience necessary to shape the future of autonomous systems.*



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**Bachelor Studies Autonomous
Systems Programming** educational
track – offered courses:

- Digital Logic
- Microcontrollers Programming
- PLC Programming
- Robotic Systems Programming
- Internet of Things
- Digital Twin Technology



*This is a highly relevant and future-oriented field of study, as we can expect machines and robots in various applications to evolve toward increasing autonomy, as well as greater cooperation between robots and between robots and humans. Autonomous systems will shape our future—from **self-driving cars and intelligent robotics** to solutions based on the **Internet of Things (IoT) and Artificial Intelligence (AI)**. The **Autonomous Systems Programming** track enables you to acquire the skills needed to grow within this rapidly developing field.*