Master of
Software Engineering
Part-time | Fully online | Individual courses available

“Why GPS?”

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“Stay current on leading-edge approaches in software engineering.
Developed with industry experts, this program will equip you to:

- Design, develop, operate and maintain software systems.
- Collaborate with stakeholders at every stage of software development.
- Build solutions using different languages, technologies, life-cycle approaches and best practices.

**Required Courses:**
- Expert Software Development in Java
- Object-Oriented Design with UML
- Software Development Methodologies
- Release Control and Continuous Integration/Continuous Delivery (DevOps)
- Software Engineering Studio
- Software Testing Techniques

**Sample Electives (Select 4):**
- Mobile Applications and Responsive Web Design
- Microservices Architecture and Development
- Ruby Programming
- Agile Software Development
- Advanced JavaScript Programming
- Web Development Technologies

“What I learned at Brandeis GPS was immediately applicable, and I continue every day to benefit from the understanding the courses gave me.”

— Scott Paddock, GPS Student

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