

Specialization

Linux Development

This specialization provides in-depth Linux systems and development knowledge aligned with modern industry and infrastructure needs. The Linux Development specialization consists of three required courses.

Total Units: 9

Learning Outcomes:

- Design and develop embedded Linux systems
- Create and manage Linux kernel modules
- Implement Linux device drivers
- Utilize Linux programming interfaces and tools



*Courses may have prerequisites; review the course page before enrolling. A checkmark indicates the course is typically offered during that term.**

Required Courses

9 Units | 3 Courses

COURSE NAME & NUMBER	UNITS	FALL	WINTER	SPRING	SUMMER
Linux Systems Programming EMBD.X420	3.0	✓		✓	
Embedded Linux Design and Programming EMBD.X423	3.0		✓		✓
Linux Kernel & Drivers EMBD.X421	3.0	✓		✓	

Completion Review

Once all specialization requirements have been met and your final grades are posted, please access your Student Portal to enroll in the "[Specialization in Linux Development Completion Fee](#)" to begin the review process. Please allow 4-6 weeks to receive your certificate.