

# Digital Technologies @ UQ

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Introductory Programming  
Outreach  
Computational empowerment

# Introductory programming

- CSSE1001 Introduction to Software Engineering
  - Our main (currently only) introduction to programming
  - Highly diverse programming experience of intake
  - Challenging high achievers while scaffolding learning for those without any experience
  - 'Testing out' for exemption
  - Separating undergraduates from conversion masters
- Increasing demand for other introductory courses
  - Introduction to programming
  - Programming for all 1st year engineers



# Outreach

- Supporting and influencing F-12 curriculum & its delivery
  - Group X -> Digital Technologies
  - Robotics & Physical Computing workshops
  - Teacher PD
  - Collaboration with UQ School of Education
- Participation in ACARA / QCAA curriculum design process
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# Computational Empowerment

- Impact of broader digital technologies curriculum on undergraduates in other disciplines
- Cross-disciplinary collaboration with other schools
- Moving on from Digital Literacy (skills-based, run by library)
- Strong pressure from senior management
- Introduction to programming for the BA