










2021-2022 Nebraska Career Education Programs of Study

Communication and Information Systems Career Field

Information Technology Cluster

Full Year Course 

Sequence of CTE Courses	Introduction Course	Intermediate Course	Capstone Course
Business Technology	270501 IT Applications 1	270502 IT Applications 2	270504 IT Fundamentals -OR- 270604 Foundations of Web Design -OR- 270611 Digital Design
Data Science	270502 IT Applications 2 -OR- 270703 Computer Science Principles 	270611 Digital Design -OR- 270604 Foundations of Web Design	111700 Statistics/Probability -OR- 111720 AP Statistics
IT Operations Management	270504 IT Fundamentals -OR- 270502 IT Applications 2	270601 Networking	270707 Cybersecurity -OR- 270711 PLTW Cybersecurity 
Web Development	270504 IT Fundamentals -OR- 270502 IT Applications 2	270604 Foundations of Web Design	270706 Web Design and Development
Information Technology	270504 IT Fundamentals -OR- 270602 Digital Media	270704 Foundations of Computing	270703 Computer Science Principles -OR- 270702 AP Computer Science Principles 
Computer Science	270704 Foundations of Computing	270703 Computer Science Principles -OR- 270702 AP Computer Science Principles 	270701 Computer Science A -OR- 270712 IB Computer Science -OR- 270700 AP Computer Science A 
PLTW Computer Science	270710 PLTW Computer Science Essentials 	270708 PLTW Computer Science Principles 	270709 PLTW Computer Science A 

Software Development	270703 Computer Science Principles - OR- 270702 AP Computer Science Principles	270707 Cybersecurity	270701 Computer Science A -OR- 270712 IB Computer Science -OR- 270700 AP Computer Science A -OR- 270705 Software Development
PLTW Software Development	270708 PLTW Computer Science Principles	270711 PLTW Cybersecurity	270709 PLTW Computer Science A
CISCO Networking	270505 CISCO I: Introduction to Networks	270506 CISCO II: Routing and Switching Essentials	270507 CISCO III: Scaling Networks

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Career Field Specialist

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