

Required Core Courses	Units
MUS. 105* Music Theory I	3
MUS. 106 Music Theory II	3
MUS. 107 Music Theory I	3
MUS. 108 Music Theory IV	3
MUS. 111 Musicianship I	1
MUS. 112 Musicianship II	1
MUS. 113 Musicianship III	1
MUS. 114 Musicianship IV	1
MUS. 501 Studio Lessons I	1
MUS. 502 Studio Lessons II	1
MUS. 503 Studio Lessons III	1
MUS. 504 Studio Lessons IV	1

List A – Select four units from the following:

MUS. 430.1 Concert Band I	1
MUS. 430.2 Concert Band II	1
MUS. 430.3 Concert Band III	1
MUS. 430.4 Concert Band IV	1
MUS. 450.1 Jazz Band I	1
MUS. 450.1 Jazz Band II	1
MUS. 450.1 Jazz Band III	1
MUS. 450.1 Jazz Band IV	1
MUS. 470.1 Concert Choir I	1
MUS. 470.1 Concert Choir II	1
MUS. 470.1 Concert Choir III	1
MUS. 470.1 Concert Choir IV	1
TOTAL REQUIRED UNITS IN MAJOR AREA	24

Plus CSU General Education or IGETC for CSU requirements. *MUS. 105 will be double counted to apply to meet general education requirement C1. This degree does **not** require the Skyline College Associate Degree requirements.

NATURAL SCIENCE

AS ASSOCIATE IN SCIENCE DEGREE WITH A MAJOR IN NATURAL SCIENCE

Program Student Learning Outcomes:

Students completing this program will be able to:

- Demonstrate understanding of how the major groups of living organisms are related to each other and of their adaptations for survival.
- Demonstrate understanding of the major concepts in cell biology, and the experimental approaches take to address them.
- Write clear and well-argued descriptions of topics in science, based on the course material and articles.
- Master laboratory techniques including microscopy, spectrophotometry, gel electrophoresis, and PCR.
- Design, perform and analyze experiments.
- Continue with upper division coursework in Biology.

Required Core Courses	Units
-----------------------	-------

Select 18-24 units from the following:

BIOL 215 Organismal Biology: Core I	5
BIOL 230 Intro to Cell Biology: Core II	5
BIOL 260 Human Physiology	5
CHEM 210 General Chemistry I	5
CHEM 220 General Chemistry II	5
CHEM 234/237 Organic Chemistry/Lab I	5
CHEM 235/238 Organic Chemistry/Lab II	5
COMP 155 Computer Programming Visual BASIC	3
COMP 250 Introduction to Object-Oriented Programming: C++	3
COMP 284 Programming Methods I: Java	3
GEOL 210 General Geology	4
PHYS 210 General Physics I	4
PHYS 220 General Physics II	4
PHYS 250 Physics with Calculus I	4
PHYS 260 Physics with Calculus II	4
PHYS 270 Physics with Calculus III	4
TOTAL REQUIRED UNITS IN MAJOR AREA	18-24

Plus General Education and other requirements for the Associate degree (refer to Associate Degree Requirements).

NETWORK ENGINEERING TECHNOLOGIES

The Network Engineering Program prepares graduates to enter the workforce as a PC Support Specialist, entry level Networks System Administrator, and its related fields. A Certificate of Completion and Associate of Science Degree are available. The program's focus is on direct employment skills and knowledge as a foundation in small to medium scale network infrastructure. Students will design, implement, manage and troubleshoot current industry equipment in real world scenario. The Certificate of Completion and Degree are focused on developing entry-level careers and updating existing careers.

Program Learning Outcomes:

Upon Completion of Degree requirements, students will be able to:

- Develop the skills and knowledge required for entry level positions within the networking technology field and related fields.
- Expand their skills and knowledge for possible advancement within their field for those currently employed in the industry.
- Obtain Information Technology industry-recognized certifications.

AS ASSOCIATE IN SCIENCE DEGREE WITH A MAJOR IN NETWORK ENGINEERING

Required Core Courses	Units
ELEC 110 Intro Fundamentals Electronics	4
NETX 400 Introduction to Local Area Network.	3
NETX 420 PC Configuration and Repair.	6
NETX 430 Introduction to Routers	3
NETX 431 Network Switches-Concepts and Applications	3
NETX 432 Routing Concepts & Applications	3
NETX 435 Network Security	3
NETX 439 Troubleshooting the Internetwork	3
NETX 440 Advanced Local Area Network	3

Plus a minimum of 6 units from the following:

NETX 401 Survey of Networking and Wireless Technologies	3
NETX 410 Structured Wiring & Cabling.	3
NETX 411 Fiber Optics Technology.	3
NETX 413 Wireless Local Area Networks	3
NETX 450 Voice Over IP (VoIP) Essentials	3
TOTAL REQUIRED UNITS IN MAJOR AREA	37

Plus General Education and other requirements for the Associate degree (refer to Associate Degree Requirements).

CA NETWORK ENGINEERING CERTIFICATE OF ACHIEVEMENT

Required Courses	Units
ELEC 110 Intro Fundamentals Electronics	4
NETX 400 Introduction to Local Area Network.	3
NETX 420 PC Configuration and Repair.	6
NETX 430 Introduction to Routers	3
NETX 431 Network Switches-Concepts and Applications	3
NETX 432 Routing Concepts & Applications	3
NETX 435 Network Security	3
NETX 439 Troubleshooting the Internetwork	3
NETX 440 Advanced Local Area Network	3

Plus a minimum of 6 units from the following:

NETX 401 Survey of Networking and Wireless Technologies	3
NETX 410 Structured Wiring & Cabling.	3
NETX 411 Fiber Optics Technology.	3
NETX 413 Wireless Local Area Networks	3
NETX 450 Voice Over IP (VoIP) Essentials	3
TOTAL REQUIRED UNITS	37

NETWORK ENGINEERING TECHNOLOGIES SKILL ENDORSEMENTS

These endorsements provide an opportunity for short term study. They are verification that students have achieved a specific level of competency in a selected area of entry-level employment. Students may achieve these endorsements on their own or while they are completing their studies for degrees or certificates.

CC BASIC NETWORKING CAREER CERTIFICATE**Program Learning Outcomes:**

Upon completion of Certificate requirements, students will be able to:

- Install and troubleshoot single-line stations, network distribution frames and panels and electronic key systems panels
- Build, troubleshoot and repair a server-administrated LAN using industry accepted methodology and tools
- Upgrade and troubleshoot computer hardware and software

Required Courses	Units
NETX 400 Introduction to Local Area Network.	3
NETX 410 Structured Wiring & Cabling.	3
NETX 420 PC Configuration and Repair.	6
NETX 440 Advanced Local Area Network	3
TOTAL REQUIRED UNITS	15

CC PC CONFIGURATION AND REPAIR CAREER CERTIFICATE**Career Opportunities:**

Completion of this certificate will provide students fundamental skills in understanding electronics and troubleshooting configuration of personal computers. Employment opportunities include computer hardware technicians and computer help desk support.

Program Learning Outcomes:

Upon completion of Certificate requirements, students will be able to:

- Demonstrate skills to troubleshoot, configure, and repair personal computers.
- Assemble and troubleshoot simple series and parallel circuits, using standard tools and test equipment, while obeying recognized work safety guidelines.
- Pass written exams covering theory and practice similar to the A+ certification

Required Courses	Units
ELEC 110 Intro Fundamentals Electronics	4
NETX 420 PC Configuration and Repair.	6
TOTAL REQUIRED UNITS	10

CC WIRING AND INSTALLATION CAREER CERTIFICATE

Program Learning Outcomes:

Upon completion of Certificate requirements, students will be able to:

- Assemble and troubleshoot simple series and parallel circuits, using standard tools and test equipment, while obeying recognized work safety guidelines.
- Install and troubleshoot single-line stations, network distribution frames and panels and electronic key systems panels
- Test, troubleshoot and repair fiber optic systems using industry standard tools

Required Courses	Units
ELEC 110 Intro Fundamentals Electronics	4
NETX 410 Structured Wiring & Cabling.	3
NETX 411 Fiber Optics Technology.	3
TOTAL REQUIRED UNITS	10

PARALEGAL, LEGAL ASSISTANT

The Paralegal, Legal Assistant Associate degree and Paralegal, Legal Assistant certificate programs prepare students for careers as paralegals, legal assistants, and legal support service workers in a variety of settings.

Program Student Learning Outcomes:

Students completing this program will be able to:

- Demonstrate a foundational knowledge of U.S. law, legal systems, ethical considerations, and/or professional procedures.
- Effectively conduct legal research.
- Proficiently perform legal writing.
- Critically analyze legal arguments.

AA ASSOCIATE IN ARTS DEGREE WITH A MAJOR IN PARALEGAL, LEGAL ASSISTANT

Required Core Courses	Units
LEGL 240 Introduction to Law	3
LEGL 245 Paralegal Profession I	2
LEGL 247 Paralegal Profession II.	2
LEGL 250 Legal Research, Writing, and Analysis I.	3
LEGL 252 Civil Litigation I.	3
LEGL 430 Law Office Technology	2
LEGL 290 Community Legal Services Clinic or	3
LEGL 671 Paralegal Internship I or	4
COOP 670 Vocational Cooperative Education.	3

Plus a selection of 6 units from the following:

BUS. 201 Business Law	3
LEGL 260 Legal Research, Writing, and Analysis II	3
LEGL 275 Constitutional Law, Civil Rights, and Civil Liberties	3

LEGL 304 Concepts of Criminal Law or	
LEGL 306 Legal Aspects of Evidence or	
LEGL 320 Criminal Investigation	3
LEGL 354 Civil Litigation II.	3
TOTAL REQUIRED UNITS IN MAJOR AREA	24-25

Plus General Education and other requirements for the Associate degree (refer to Associate Degree Requirements).

CA PARALEGAL, LEGAL ASSISTANT CERTIFICATE OF ACHIEVEMENT

Required Core Courses	Units
LEGL 240 Introduction to Law	3
LEGL 245 Paralegal Profession I	2
LEGL 247 Paralegal Profession II.	2
LEGL 250 Legal Research, Writing, and Analysis I.	3
LEGL 252 Civil Litigation I.	3
LEGL 430 Law Office Technology	2
LEGL 290 Community Legal Services Clinic or	3
LEGL 671 Paralegal Internship I or	4
COOP 670 Vocational Cooperative Education.	3

Plus a selection of 6 units from the following:

BUS. 201 Business Law	3
LEGL 260 Legal Research, Writing, and Analysis II	3
LEGL 275 Constitutional Law, Civil Rights, and Civil Liberties	3
LEGL 304 Concepts of Criminal Law or	
LEGL 306 Legal Aspects of Evidence or	
LEGL 320 Criminal Investigation	3
LEGL 354 Civil Litigation II.	3
TOTAL REQUIRED UNITS	24-25

For gainful employment information, see the program's website:

SkylineCollege.edu/academics/degreescertificates.php?program=PARALEG-2CB

PHILOSOPHY

Program Student Learning Outcomes:

Students completing this program will be able to:

- Demonstrate familiarity with the history of philosophical thought and contemporary currents in the discipline.
- Assess influential claims and theories in the philosophical tradition using rigorous methods of critical thinking and logic.
- Compose a reasoned essay that responds to a philosophical problem or that applies philosophical theory to a contemporary issue.