

www.hutchcc.edu/request-info

Networking

Degree Pathway

An Associates of Applied Science Degree emphasizes preparation in the applied arts and sciences for careers, typically at the technical or semi-professional level. This degree totals 64 credits. Consult with an advisor for more information.

- (**▶**) are Systemwide Transfer Courses
- $(\bigstar$) are recommended for this degree pathway.

| Required Courses | | | | |
|------------------|---|-----------------|---|--|
| Course ID | Course Title | Credit Hours | Notes | |
| CS111 | Visual Basic Programming T | 3.00 | Fall, Spring, Summer | |
| CS121L | Programming Language Lab | 1.00 | Fall, Spring Prereq: CS111 Visual Basic Programming, or CS200 Problem Solving and Programming. | |
| IS100 | Cybersecurity Application | 3.00 | Fall, Spring | |
| IS104 | Microcomputer Applications ™ | 3.00 | Fall, Spring, Summer | |
| IS148 | CompTIA A+ Core 1 | 3.00 | Fall, Spring | |
| IS149 | CompTIA A+ Core 2 | 3.00 | Fall, Spring Prereq: IS148 CompTIA A+ Core 1 with grade of C or better. | |
| IS160 | Cloud Computing | 3.00 | Spring Prereq: IS182 Cisco CCNA I/Networking I, or Departmental Consent. | |
| IS182 | Cisco CCNA I/Networking I | 3.00 | Fall, Spring, Summer | |
| IS183 | Cisco CCNA II | 3.00 | Spring Prereq: IS182 Cisco CCNA I/Networking I. | |
| IS184 | Cisco CCNA III | 3.00 | Prereq: IS183 Cisco CCNA II. | |
| IS224 | Networking II | 3.00 | Fall, Spring Prereq: IS182 Cisco CCNA I/Networking I. | |
| IS235 | Elements of Linux | 3.00 | Fall, Spring | |
| IS237 | Server Operating Systems and Virtualization | 3.00 | Fall, Spring Prereq: IS235 Elements of Linux, or Departmental Consent, and IS182 Cisco CCNA I/Networking I. | |
| IS240 | Fundamentals of Network Security | 3.00 | Fall, Spring | |
| | Electives | | | |
| Course ID | Course Title | Credit Hours | Notes | |
| | General Education Options | 12.00 | | |
| AR101 | Art Appreciation T▶ | 3.00 | Fall, Spring, Summer | |
| AR104 | Art History: Paleolithic to Medieval ъ | 3.00 | Fall | |
| AR105 | Art History: Renaissance to Modern ⊤ | 3.00 | Spring | |
| AR106 | Art in the Elementary Classroom → | 3.00 | Fall, Spring | |
| AR110 | Drawing I ₁▶ | 3.00 | Fall | |
| BI100 | Basic Concepts for Allied Health Studies | 1.00 | Fall, Spring, Summer | |
| BI101 | General Biology T ▶ | 4.00 | Fall, Spring, Summer | |
| BI102 | Ecology of Environmental Problems ™ | 3.00 | Spring | |

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| EN203 | British Literature II | 3.00 | Spring Prereq: EN101 English Composition IA with a grade of C or higher, or EN100 English Comp IB with a grade of C or higher. |
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| EN204 | American Literature I ъ | 3.00 | Fall |
| EN205 | American Literature II T | 3.00 | Spring Prereq: EN101 English Composition IA with a grade of C or higher, or EN100 English Comp IB with a grade of C or higher. |
| EN207 | Introduction to Shakespeare | 3.00 | Prorog: EN101 English Composition IA with a grade of C or higher or |
| EN214 | Introduction to Cultural Studies: Fairy Tales | 3.00 | Fall, Spring Prereq: EN101 English Composition IA with a grade of C or higher, or EN100 English Comp IB with a grade of C or higher. |
| GE101 | World Geography ™ | 3.00 | Fall, Spring, Summer |
| GO100 | American Government T ► | 3.00 | Fall, Spring, Summer |
| GO101 | State and Local Government T | 3.00 | , - |
| GO102 | International Relations T | 3.00 | Spring |
| GO110 | Introduction to Political Science T | 3.00 | Fall |
| GO110H | Honors Introduction to Political Science → | 3.00 | Fall |
| HI101 | American History 1492-1865 T ▶ | 3.00 | Fall, Spring, Summer |
| HI102 | American History 1865-Present | | Fall, Spring, Summer |
| HI103 | World History to 1600 T ► | | Fall, Spring, Summer |
| HI104 | World History Since 1600 Ţ▶ | | Fall, Spring, Summer |
| HI122 | Film History of World War II | | Spring |
| HI201 | Topics in History | 3.00 | |
| IS103 | Microcomputer Literacy | | Fall, Spring, Summer |
| IS104 | Microcomputer Applications ™ | | Fall, Spring, Summer |
| JL101 | Introduction to Mass Communications T | | Fall, Spring, Summer |
| LE101 | Introduction to Criminal Justice T | | Fall, Spring |
| MA106 | College Algebra ™ | 3.00 | Fall, Spring, Summer |
| MA107 | Plane Trigonometry T ▶ | 3.00 | Fall, Spring, Summer |
| MA108 | Elements of Statistics ™ | 3.00 | Fall, Spring, Summer Prereq: HS GPA over 3.0, or Accuplacer NG QuantReason, Alg, Stats Score 255 or Above, or ACT Math Score of 19 or Higher. |
| MA110 | Calculus T ▶ | 3.00 | Fall, Spring, Summer Prereq: MA106 College Algebra with a grade of C or higher, or ACT Ma Score of 23 to 36, or MA109 Pre-Calculus Math with a grade of C or higher. |
| MA111 | Analytical Geometry and Calculus I T | 5.00 | Fall, Spring, Summer Prereq: MA107 Plane Trigonometry with a grade of C or higher, or AC Math Score of 25 to 36, or MA109 Pre-Calculus Math with a grade of C or higher. |
| MA113 | Analytical Geometry and Calculus II T | 5.00 | Fall, Spring, Summer Prereq: MA111 with a grade of C or higher. |
| MA117 | Contemporary Math T | 3.00 | Fall, Spring, Summer |
| MA201 | Analytical Geometry and Calculus III | 5.00 | Fall, Summer Prereq: MA113 with a grade of C or higher. |
| MA206 | Differential Equations ™ | 3.00 | Fall, Spring Prereq: MA113 with a grade of C or higher. |
| MU101 | Music Appreciation T ► | 3.00 | Fall, Spring, Summer |
| MU106 | Music Theory I T ▶ | 3.00 | Fall |
| MU107 | Music Theory II ႃъ | 3.00 | Spring Prereq: MU106 Music Theory I. |
| MU127 | Introduction To Jazz/Jazz Rock | 3.00 | Fall, Spring |
| MU206 | Music Theory III | 3.00 | Fall |

| | | | Prereq: MU107 Music Theory II. |
|--------|--------------------------------------|------|---|
| MU207 | Music Theory IV | 3.00 | Spring Prereq: MU206 Music Theory III. |
| PE105 | Personal and Community Health T | 3.00 | Fall, Spring, Summer |
| PE122 | Rhythms I | 2.00 | Fall |
| PE123 | Rhythms II | 2.00 | Spring |
| PE126 | Conditioning and Fitness Concepts I | 1.00 | Fall, Spring, Summer |
| PE127 | Conditioning and Fitness Concepts II | 1.00 | Fall, Spring, Summer Prereq: PE126 Conditioning & Fitness Concepts I. |
| PE173 | Fitness for Life | 1.00 | Fall, Spring, Summer |
| PL101 | Introduction to Philosophy ™ | 3.00 | Fall, Spring, Summer |
| PL103 | Logic and Critical Thinking ७ | 3.00 | Fall, Spring |
| PL104 | Ethics ₁. | 3.00 | Fall, Spring, Summer |
| PL105 | Death and Dying | 3.00 | Fall, Spring, Summer |
| PS100 | General Psychology T ▶ | 3.00 | Fall, Spring, Summer |
| PS101 | Human Relations | 3.00 | Fall, Spring, Summer |
| PS102 | Human Growth and Development T | 3.00 | Fall, Spring, Summer Prereq: PS100 General Psychology. |
| PS201 | Psychology of Personality | 3.00 | Fall, Spring Prereq: PS100 General Psychology with grade of C or higher. |
| PS202 | Abnormal Psychology | 3.00 | Fall, Spring, Summer Prereq: PS100 General Psychology. |
| PY102 | Weather and Climate | 3.00 | Spring |
| PY103 | Physical Geology T▶ | 3.00 | Fall, Spring, Summer |
| PY104L | Physical Geology Lab Ţ▶ | 1.00 | Fall, Spring, Summer |
| PY110 | Physical Science T ▶ | 5.00 | Fall, Spring |
| PY112 | General Physics I T▶ | 5.00 | Fall Prereq: MA106 College Algebra or higher math. |
| PY113 | General Physics II ™ | 5.00 | Spring Prereq: PY112 Gen Physics I. |
| PY201 | Engineering Physics I ७ | 5.00 | Fall Prereq: MA111 Analytical Geometry & Calculus I, or MA112H Honors Analytical Geometry & Calculus. |
| PY202 | Engineering Physics II ႃъ | 5.00 | Spring Prereq: PY201 Eng Phys I with grade of C or better. |
| RE101 | New Testament Literature T ▶ | 3.00 | Spring |
| RE102 | Old Testament Literature T | 3.00 | Fall |
| RE106 | Introduction to World Religions T | 3.00 | Spring |
| SH101 | Public Speaking ™ | 3.00 | Fall, Spring, Summer |
| SH103 | Oral Interpretation | 3.00 | Spring |
| SH122 | Voice and Diction ႃъ | 3.00 | Fall |
| SH210 | Interpersonal Communication T | 3.00 | Fall, Spring, Summer |
| SO100 | Fundamentals of Sociology T ▶ | 3.00 | Fall, Spring, Summer |
| SO101 | Marriage and Family ™ | 3.00 | Fall, Spring, Summer |
| SO103 | Stress Management | 1.00 | Fall, Spring, Summer |
| SO104 | Assertiveness Training | 2.00 | Fall, Spring, Summer |
| SO111 | Cultural Anthropology T | 3.00 | Fall, Spring, Summer |
| SO113 | Cultural Diversity T | 3.00 | Fall, Spring |
| SO122 | Introduction to Social Work ъ | 3.00 | Fall, Spring |
| SO201 | Social Problems T | 3.00 | Spring, Summer Prereq: SO100 Fundamentals of Sociology. |
| SP100 | Workplace Spanish | 2.00 | |

| SP101 | Elementary Spanish I ™ | 5.00 | Fall, Spring, Summer |
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| SP102 | Elementary Spanish II T | 5.00 | Fall, Spring Prereq: SP101 Elementary Spanish I, or Departmental Consent, or SP104 Spanish II. |
| TH115 | Theatre Appreciation T ► | 3.00 | Fall, Spring, Summer |
| TH116 | Acting I ₁▶ | 3.00 | Fall |
| TH118 | Stagecraft ™ | 3.00 | Fall |
| TH119 | Stage Makeup | 3.00 | |
| TH121 | Acting II ₁▶ | 3.00 | Fall Prereq: TH116 Acting I with a grade of C or better. |
| TH122 | Voice and Diction T ▶ | 3.00 | Fall |
| TH123 | Theatre Practicum I T | 1.00 | Fall, Spring |
| TR100 | Technical Math | 3.00 | Fall, Spring |
| TR120 | Work Ethics | 2.00 | Fall, Spring, Summer |
| ľ | Networking Elective Options | 12.00 | |
| BU118 | Introduction to Leadership ™ | 3.00 | Fall, Spring |
| BU118H | Honors Introduction to Leadership T | 3.00 | |
| BU120 | Job Search/Retention | 1.00 | Fall, Spring, Summer |
| BU121 | Customer Service/Professional Image | 3.00 | Fall, Spring, Summer |
| BU203 | Management Ţ▶ | 3.00 | Fall, Spring, Summer |
| BU203H | Honors Management | 3.00 | |
| CS106 | Computer Engineering | 4.00 | Fall, Spring |
| CS200 | Problem Solving and Programming T ▶ | 4.00 | Fall, Spring Prereq: MA106 College Algebra, or Departmental Consent, and CS111 Visual Basic Programming. |
| CS203 | Discrete Structures | 3.00 | Spring Prereq: MA106 College Algebra with a grade of C or higher. |
| ED105 | Success Seminar/College Orientation | 1.00 | Fall, Spring, Summer |
| ED105H | Honors Success Seminar/College Orientation | 1.00 | Fall |
| IS105 | Advanced Microcomputer Applications | 3.00 | Fall Prereq: IS104 Microcomputer Applications. |
| IS137 | Website Ethics and Security | 3.00 | Fall, Spring |
| IS183 | Cisco CCNA II | 3.00 | Prereq: IS182 Cisco CCNA I/Networking I. |
| IS184 | Cisco CCNA III | 3.00 | Prereq: IS183 Cisco CCNA II. |
| IS210 | Computer Internship I | 3.00 | Fall, Spring, Summer Prereq: Departmental Consent, and a GPA of 2.5 or higher, and IS149 CompTIA A+ Core 2. |
| IS211 | Computer Support Internship II | 3.00 | Fall, Spring, Summer Prereq: IS210 Computer Internship I. |
| IS215 | Web Development Platform | 3.00 | Fall, Spring Prereq: IS228 Data Base Structures, or Departmental Consent. |
| IS225 | Website Coding | 2.00 | Fall, Spring Prereq: IS135 Essentials of Web Interaction, or Departmental Consent. |
| IS228 | Database Structures | | Fall, Spring |
| IS250 | Project Management | | Spring |
| IS252 | Social Media Platform | 3.00 | |
| IS264 | JavaScript | 3.00 | Fall, Spring Prereq: IS225 Website Coding. |
| IS264H | Honors JavaScript | 3.00 | Prereq: IS225 Website Coding. |
| IS280 | Computer Forensics | 3.00 | Spring Prereq: IS148 CompTIA A+ Core 1 with grade of C or better, and Departmental Consent, and IS212 Networking I. |

| IS281 | Control Systems Security | 3.00 | Spring Prereq: IS182 Cisco CCNA I/Networking I, and Departmental Consent, and IS212 Networking I. |
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| IS282 | Secure Coding | 3.00 | Fall Prereq: CS200 Problem Solving and Programming, and Departmental Consent. |
| TR120 | Work Ethics | 2.00 | Fall, Spring, Summer |

Total Credits: 64.00