



PATHWAYS



**YOUR MAP TO
COMPLETION for
2026-2027**

Computer Science - Data Analytics

Associate in Applied Science / Short-Term Certificate

| Full Time | Course Prefix | Course Description | Credit Hours | Semesters Offered | Area |
|--|---------------|--|--------------|-------------------|------|
| Semester 1 | ORI 110 | Freshman Seminar | 1 | Fa Sp Su | V |
| | MTH 100* | Intermediate College Algebra | 3 | Fa Sp Su | III |
| | CIS 134 | IT Fundamentals | 3 | Fa Sp | V |
| | CIS 149 | Digital Literacy | 3 | Fa Sp | V |
| | CIS 199 | Network Communications | 3 | Fa Sp Su | V |
| Semester 2 | ENG 101 | English Composition | 3 | Fa Sp Su | I |
| | CIS 150 | Introduction to Computer Logic and Programming | 3 | Fa Sp | V |
| | CIS 211 | Principles of Information and Assurance | 3 | Fa Sp Su | V |
| | CIS 235 | Data Analytics | 3 | Sp | V |
| Semester 3 | IDS 102* | Ethics | 3 | Fa Sp Su | II |
| | MTH 265 | Elementary Statistics | 3 | Fa Sp Su | III |
| | CIS 146 | Computer Applications | 3 | Fa Sp Su | V |
| | SPH 106 | Introduction to Oral Communication | 3 | Fa Sp Su | V |
| Semester 4 | ECO 231* | Principle of Macroeconomics | 3 | Fa Sp Su | IV |
| | BUS 271 | Business Statistics I | 3 | Fa Sp Su | V |
| | CIS 222 | Database Management Systems | 3 | Fa | V |
| | CIS 248 | Introduction to IOT (Internet of Things) | 3 | Fa | V |
| Semester 5 | PSY 200* | General Psychology | 3 | Fa Sp Su | IV |
| | BUS 272 | Business Statistics II | 3 | Fa Sp Su | V |
| | CIS 202 | Python Programming | 3 | Sp Su | V |
| | CIS 281 | System Analysis and Design | 3 | Fa Sp | V |
| Data Analytics AAS TOTAL HOURS 61 | | | | | |
| Information Technology Short-Term Certificate TOTAL HOURS 12 | | | | | |
| Data Analytics Short-Term Certificate TOTAL HOURS 12 | | | | | |

*May be substituted per Computer Science Instructor's approval

WALLACE STATE
HANCEVILLE • ONEONTA