

## Appendix D - Sequential Electives

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All students may apply for acceptance to Advanced Technology Center programs. Sequential electives are defined as two years of study in a focused sequence of elective courses leading to further education or preparation for employment. Students who are pursuing the Standard Diploma or the Modified Standard Diploma must complete two sequential credits. Students pursuing an Advanced Studies Diploma are not required to complete sequential electives.

### Advanced Technology Center Sequential Electives 2018-2019 Standard High School Diploma

*Sequential Electives Available at the Advanced Technology Center*

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### Information Technology & Computer Sciences

| Item #             | Title                                     | Credits |
|--------------------|---|---------|
| AT 8685            | Cybersecurity Systems Technology I        | 3       |
| AT 6657/AT 6665 DE | CISCO Network Engineering I               | 3       |
| AT 6658/AT 6666 DE | Cisco Network Engineering II              | 3       |
| AT 8680            | Telecommunications I                      | 3       |
| AT 8681            | Telecommunications II                     | 3       |
| AT 6655/AT 6660 DE | Network Administration & Cyber Defense I  | 3       |
| AT 6656/AT 6661 DE | Network Administration & Cyber Defense II | 3       |
| AT 6630            | Web Design Foundations                    | 3       |
| AT 6631            | Advanced Web Design                       | 3       |
| AT 6641            | Software and Game Development             | 3       |
| AT 6642            | Advanced Software and Game Development    | 3       |

### Architecture, Engineering & Manufacturing

| Item #  | Title                     | Credits |
|---------|---------------------------|---------|
| AT 8530 | Engineering Design        | 3       |
|         | AT 8531 or AT 8532        | 3       |
| AT 8436 | Engineering Technology I  | 3       |
| AT 8437 | Engineering Technology II | 3       |

## Digital Design & Marketing

| Item #  | Title  | Credits |
|---------|--|---------|
| AT 8570 | Digital Design I                             | 3       |
| AT 8571 | Digital Design II                            | 3       |
|         | ME 8223 or ME 8222                           | 2-3     |
|         | ME 8243 or ME 8242                           | 2-3     |
| AT 8165 | DE Hospitality & Tourism Management          | 2       |
| AT 8166 | DE Advanced Hospitality & Tourism Management | 2       |

*\*Two courses must be taken in sequence unless noted as a stand alone program.*