

**SJC: Associate of Science in Computer Science**

**NMT: Bachelor of Science in Computer Science or Information Technology**

**NMT**

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1. Communications (NMT Requirements = 9 credit hours)

ENGL 1110      Composition 1  
ENGL 1120      Composition 2  
ENGL 3041      Technical Writing

ENGL 1110      Composition 1  
ENGL 1120      Composition 2  
ENGL 2210      Prof & Tech Comm

NMT will accept, for the purposes of this agreement, SJC's ENGL 2210 as an appropriate substitution for NMT's ENGL 3041.

2. Mathematics (8 credit hours)

MATH 1510      Calculus I  
MATH 1520      Calculus II

MATH 1510      Calculus I  
MATH 1520      Calculus II

3. Basic Laboratory Sciences (18 credit hours)

CHEM 1215/L      General Chemistry I/Lab  
CHEM 1225/L      General Chemistry II/Lab  
PHYS 1310/L      Calc-based Physics I/Lab  
PHYS 1320/L      Calc-based Physics II/Lab

CHEM 1215/L      General Chemistry I/Lab  
CHEM 1225/L      General Chemistry II/Lab  
PHYS 1310/L      Calc-based Physics 1/Lab  
PHYS 1320/L      Calc-based Physics 2/Lab

4. Social Science (6 credits)

ANY Area 4 SJC course articulated with the state can be transferred in as Area 4. If there is interest in specific courses for other programs, please use the Approved Course matrix available on the HED website or contact NMT for specific course equivalences.

For the Bachelor of Science degree in Information Technology, NMT requires

PSYC 1110      Introduction to Psychology      PSYC 1110      Introduction to Psychology

5. Humanities (6 credit hours)

(Introductory 3-4 credit language classes also meet Area 5 requirements)

ANY Area 5 SJC course articulated with the state can be transferred in as Area 5. If there is interest in specific courses for other programs, please use the Approved Course matrix available on the HED website or contact NMT for specific course equivalences.

6. Creative and Fine Arts (3 credit hours)

ANY Area 6 SJC course articulated with the state can be transferred in as Area 6. If there is interest in specific courses for other programs, please use the Approved Course matrix available on the HED website or contact NMT for specific course equivalences.

7. Additional Social Sciences, Humanities, or Creative and Fine Arts (3 credit hours)

ANY Area 4, 5, or 6 SJC course articulated with the state can be transferred in for Area 7. If there is interest in specific courses for other programs, please use the Approved Course matrix available on the HED website or contact NMT for specific course equivalences.

8. Technical Requirements CSE/IT courses

CSE/IT 113/L	Intro to CS and Programming	COSC 118	Comp Prog Fundamentals 1
		& COSC 218	Comp Prog Fundamentals 2
CSE/IT 122	Algorithms and Data Structures	COSC 262	Data Structures
CSE/IT 213	Intro to Object Oriented Prog.	COSC 240	Java Programming
		& COSC 270	Windows GUI Programming
CSE 241	Foundations of Computer Sci.	MATH 2430	Discrete Mathematics

9. Additional courses required at San Juan College to receive an Associate of Science in Computer Science

FYEX 1110	First Year Seminar
COMM 1130	Public Speaking
COSC 260	Programming in Python

10. Additional courses are required at New Mexico Tech to complete Bachelor of Science Degree in either the Computer Science or Information Technology Program. Please see the NMT Catalog for more details.

Remaining requirements for the Bachelor of Science in Computer Science (from the 2022-2023 NMT Catalog)

- Computer Science: CSE 101 (2), 221 (3), 222 (3), 324 (3), 325 (4), 326 (3), 331 (3), 342 (3), 344 (4), 353 (3), 363 (3), 382 (3), 423 (4)
- Mathematics: MATH 352 (3), 382 (3), 382L (1)
- Technical Electives: A sequence of 12 hours of CSE courses numbered 300 or higher, pre-approved by the student's advisor and the CSE Department, with no more than one course numbered CSE 485. Students are encouraged to select a coherent set of courses as technical electives that will prepare them for a specific focus in their career.
- Note: All the courses listed above must be taken for a letter grade; General Electives to complete 123 credit hours.

Remaining requirements for the Bachelor of Science in Information Technology (from the 2022-2023 NMT Catalog)

- Information Technology: IT 101 (2), IT 221 (3), IT 321 (3), IT 326 (3), IT 330 (3), IT 353 (3), IT 363 (3), IT 373 (3), IT 382 (3), IT 462 (3), IT 466 (3), IT 481 (3), IT 482 (3)
- Computer Science: CSE 222 (3)
- Management: MGT 472 (3)
- Mathematics: MATH 2350 (3)
- Technical Electives: a sequence of 6 hours of computer science, information technology, or management courses numbered 300 or higher, pre-approved by the student's advisor and an IT Program Coordinator, with no more than one course numbered IT 485. Students are encouraged to select a coherent set of courses as technical electives that will prepare them for a

specific focus in their career, for instance, IT 441 & 463 for cybersecurity focus and MGT 335 & 407 for management focus.

- General Reminder: San Juan College students transferring to NMT will articulate under the Bachelor of Science Degree requirements that were in effect when they started at SJC, or up to three years before they enroll at NMT, whichever is less.

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