Computer Science

MyTrack® PADUA FRANCISCAN

MyTrack® Computer Science is a four-year program providing a variety of exploration focused opportunities for students interested in the field of Computer Science including programming, engineering and technology.

COMPUTER SCIENCE

PREMIER CURRICULUM SEQUENCE for MyTrack Computer Science

FRESHMAN YEAR
1. Christian Life/Scriptural Foundation
2. English 9
3. World History
4. Algebra I or higher
5. Biology
6. Freshman Orientation/Lab
7. World Language I
8. Introduction to Computer Science/Fine Arts Elective or Fundamentals of Programming/Applied Programming: Gaming/VR

SOPHOMORE YEAR
1. Christology/Paschal Mystery
2. English 10
3. United States History
4. Math
5. Science
6. Health/Lab
7. World Language II
8. AP Computer Science Principles

JUNIOR YEAR
1. Ecclesiology/Sacraments
2. English 11
3. Math (at least Algebra II/Trig)
4. Fundamentals of Programming/Applied Programming Concepts
5. Study Hall or Elective
6. Lab/Physical Education or Study Hall
7. World Language/Elective
8. Science/Elective

SENIOR YEAR
1. Morality/Catholic Social Teaching
2. English 12
3. Government + Study Hall or Elective
4. Math (at least Math Analysis; Calculus preferred)
5. AP Computer Science A
6. Elective or Lab/Physical Education or Study Hall
7. World Language/Elective
8. Science/Elective

MyTrack Computer Science provides career exploration and professionalism experiences including a career speaker series, mock interviews and external shadowing. Additional enrichment activities such as Robotics Club and Technology Competitions are recommended by the MyTrack Computer Science Moderator or the MyTrack Director.

MyTrack Computer Science is fully compatible with the requirements of the MedTrack program. There is also a pathway to enter MyTrack Computer Science after fulfilling the minimum two-year commitment to musical performance.

Questions?

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ELECTIVES

- Introduction to Computer Science
- Fundamentals of Programming
- Applied Programming: Gaming/VR
- Advanced Placement/Honors Computer Science Principles
- Advanced Placement/Honors Computer Science A

Some elective slots grade 11 & 12 will need to be used to fulfill the requirement for Social Studies and Science, as well as provide the option for World Language level III and higher.

AP Computer Science Principles and AP Computer Science A are highly recommended.