

COLLEGE OF BUSINESS AND TECHNOLOGY: TECHNOLOGY

About the College

SPU's College of Business and Technology invites students to consider the connection between faith and innovation through interdisciplinary programs shaped by a Christian foundation. It offers degrees, graduate programs, and certificates that equip students with practical skills and a purpose-driven approach to leadership.

College of Business and Technology Website (<https://spu.edu/academics/college-business-technology>)

Our Mission

Grounded in Christian faith and values, we cultivate resilient leaders who advance flourishing through service in business, technology, and civil society.

About the Division of Technology

The Division of Technology houses computer science, data science, engineering, math and physics. The disciplines are closely connected and together we form an engaging learning community.

Our engineering & computer science (<https://spu.edu/academics/college-business-technology/engineering-and-computer-science>) and data science (<https://spu.edu/academics/college-business-technology/math-data-science/bs-data-science>) websites provide additional information about these programs.

Division of Technology Faculty (<https://spu.edu/academics/college-business-technology/faculty-staff?d=Technology>)

Majors

- Biomedical Engineering (BS) (<https://catalog.spu.edu/undergraduate/college-schools/cbt-technology/engineering-programs/biomedical-engineering-bs/>)
- Computer Science (BA) (<https://catalog.spu.edu/undergraduate/college-schools/cbt-technology/computer-science/computer-science-ba/>)
- Computer Science (BS) (<https://catalog.spu.edu/undergraduate/college-schools/cbt-technology/computer-science/computer-science-bs/>)
- Data Science (BS) (<https://catalog.spu.edu/undergraduate/college-schools/cbt-technology/mathematics-data-science/data-science-bs/>)
- Electrical Engineering (BS) (<https://catalog.spu.edu/undergraduate/college-schools/cbt-technology/engineering-programs/electrical-engineering-bs/>)
- General Engineering (BS) (<https://catalog.spu.edu/undergraduate/college-schools/cbt-technology/engineering-programs/general-engineering-bs/>)
- Mechanical Engineering (BS) (<https://catalog.spu.edu/undergraduate/college-schools/cbt-technology/engineering-programs/mechanical-engineering-bs/>)

Minors

- Appropriate & Sustainable Engineering Minor (<https://catalog.spu.edu/undergraduate/college-schools/cbt-technology/engineering-programs/appropriate-sustainable-engineering-minor/>)
- Computer Engineering Minor (<https://catalog.spu.edu/undergraduate/college-schools/cbt-technology/engineering-programs/computer-engineering-minor/>)
- Computer Science Minor (<https://catalog.spu.edu/undergraduate/college-schools/cbt-technology/computer-science/computer-science-minor/>)
- Data Analytics Minor (<https://catalog.spu.edu/undergraduate/college-schools/cbt-technology/mathematics-data-science/data-analytics-minor/>)
- Electrical Engineering Minor (<https://catalog.spu.edu/undergraduate/college-schools/cbt-technology/engineering-programs/electrical-engineering-minor/>)
- Interactive Computing and Art Minor (<https://catalog.spu.edu/undergraduate/college-schools/cbt-technology/computer-science/interactive-computing-art-minor/>)
- Mathematics Minor (<https://catalog.spu.edu/undergraduate/college-schools/cbt-technology/mathematics-data-science/mathematics-minor/>)
- Mechanical Engineering Minor (<https://catalog.spu.edu/undergraduate/college-schools/cbt-technology/engineering-programs/mechanical-engineering-minor/>)
- Physics Minor (<https://catalog.spu.edu/undergraduate/college-schools/cbt-technology/physics/physics-minor/>)

4+1 BS in Data Science / MS in Data Analytics

The accelerated 4+1 Pathway allows high-achieving students to earn both a Bachelor of Science in Data Science (<https://catalog.spu.edu/undergraduate/college-schools/cbt-technology/mathematics-data-science/data-science-bs/>) and a Master of Science in Data Analytics (<https://catalog.spu.edu/graduate/college-schools/college-business-technology/data-analytics-business-ms/>) in just five years. This integrated curriculum prepares graduates for leadership roles at the intersection of technology and business strategy, equipping them to drive data-driven decision-making across finance, healthcare, marketing, and consulting sectors. Data Science majors admitted to the MS in Data Analytics will complete up to 15 credits of graduate coursework in their junior and senior years, finishing the remaining 30 credits for the master's degree during the fifth year. The graduate coursework taken as an undergraduate student will count towards both the BS in Data Science and MS in Data Analytics degrees.

Students interested in completing this 4+1 Pathway should apply to SPU as a Data Science major. At the end of their sophomore or junior year, students with a 3.0 GPA or higher may apply to the MS in Data Analytics program. For more information about this pathway, contact cbt@spu.edu.

Program Learning Outcomes

- Competence: CBT graduates will be able to articulate discipline specific knowledge and apply skills essential for service and leadership.
- Character: CBT graduates will embody personal and professional integrity by serving the public good in doing what is right and doing so with an awareness of consequences.

- Community: CBT graduates will cultivate a life of friendship, civility, and community through responsible discourse and respect for each other.