

# BACHELOR OF PROFESSIONAL STUDIES WITH A MAJOR IN INFORMATION TECHNOLOGY (STEM)

Program Director: T. Pitzer

Being at the height of the Information Age, all professional fields rely on technology in critical ways. It is precisely for this reason that a truly interdisciplinary education—one that combines technology trends, scientific principles, and business practices—is so valuable.

GW's unique information technology bachelor's degree completion program is designed to give students not only a comprehensive perspective on the technology industry, but more importantly, a competitive edge as a graduate pursuing a new career or growing in a current one. Students gain a solid foundation in python programming, cloud technologies, data and statistical analytics, agile methodologies, and databases. These relevant skills help students succeed in fields such as software development, cloud infrastructure, project management, security, and more.

This is a STEM designated program.

Visit the program website (<https://www.cps.gwu.edu/information-technology-bachelors-degree-completion-program/>) for additional information.

## ADMISSIONS

Admission deadlines: Fall Priority Deadline - March 1; Fall Final Deadline: June 1

Recommendations required: Two letters of recommendation (academic or professional) required. Only one letter of recommendation is required if student has a 3.0 GPA or above.

Prior academic records: Transcripts are required from all institutions attended, whether or not credit was earned, the program was completed, or the credit appears as transfer credit on another transcript. Unofficial transcripts from all colleges and universities attended should be uploaded to your online application. Official transcripts are required only of applicants who are offered admission.

Transcripts from institutions outside the United States must be accompanied by an official transcript evaluation from an accredited independent evaluating agency. Please be sure you request a detailed evaluation that includes all course titles, credit hours, grade-point average (GPA), United States degree equivalency, and date of degree conferral. Please see the list of acceptable foreign credential evaluation services: <http://www.naces.org/members> (<http://www.naces.org/members/>).

Statement of purpose: Please submit an essay (up to 800 words) on your purpose for applying to study at GW. Please describe your relevant qualifications and academic objectives and address the specific program you are applying to as well as any concentration, if applicable. This is an opportunity to expand upon or address anything not covered in the rest of your application.

International applicants only: Please review International Applicant Information (<https://graduate.admissions.gwu.edu/international-student-application-requirements>) (<https://graduate.admissions.gwu.edu/international-student-application-requirements/>) carefully for details on required documents, earlier deadlines for applicants requiring an I-20 or DS-2019 from GW, and English language requirements.

### Supporting documents not submitted online should be mailed to:

College of Professional Studies – Office of Admission  
George Washington University  
805 21st Street, NW  
Suite 301  
Washington DC 20052

### Contact for questions:

CPS Office of Admission  
[applycps@gwu.edu](mailto:applycps@gwu.edu) ~ 571-553-0025 (phone) ~ 202-242-1047 (fax)

8:30 am – 5:00 pm EST, Monday through Friday

## REQUIREMENTS

The following requirements must be fulfilled: 120 credits, including 22 credits in general education courses and 38 credits in elective courses, which can be completed at any regionally accredited institution; and 60 credits in core courses, which must be taken at GW.

Code	Title	Credits
<b>General education</b> <sup>1</sup>		
A minimum of 22 credits in general education coursework, including the following:		
	6 credits in English composition	
	3 credits in quantitative reasoning (must be in mathematics or statistics)	
	4 credits in natural and/or physical science with a lab	
	3 credits in critical thinking in the humanities	
	6 credits in critical thinking in the social sciences	
	One approved course in oral communication <sup>2</sup>	
<b>Electives</b> <sup>1</sup>		

38 credits in elective courses.

**60 credits in core courses for the major, which must be completed at GW.**<sup>3</sup>

Required Courses (36 credits)

PSIS 2101	Writing and Communication in IT
PSIS 2102	Technical Writing <sup>2</sup>
PSIS 2103	Statistical Sciences and Data Analysis
PSIS 2104	Data Analytics and Programming
PSIS 2105	Programming and Computing Foundations I
PSIS 2106	Programming and Computing Foundations II
PSIS 3122	Ethics in Science and Technology
PSIS 4142	Relational Databases and Their Design
PSIS 4191	Capstone Project and Senior Thesis I
PSIS 4192	Capstone Project and Senior Thesis II

Elective Courses (24 credits) selected from the following:<sup>3</sup>

PSIS 3101	Agile Methodologies
PSIS 4101	Cloud Technologies
PSIS 4102	Cloud Architecture
PSIS 4144	Information and Network Security
PSIS 4145	Software Systems Development Processes
PSIS 4160	Introduction to Data Science
PSIS 4161	Data Visualization
PSIS 4162	Data Mining and Web Analytics
PSIS 4163	Big Data Fundamentals
PSIS 4195	Undergraduate Research
PSIS 4199	Special Topics in IT

<sup>1</sup>General education and elective courses may be completed at any regionally accredited institution. A minimum grade of C is required for transfer credit to be approved; grades of C- and below are not acceptable. General education and elective coursework must be completed before beginning the bachelor's degree program.

<sup>2</sup>PSIS 2102 fulfills the University General Education requirement for one approved course in oral communication.

<sup>3</sup>Not all elective courses are offered each year. See the department for course availability.

## COMBINED PROGRAMS

### Combined programs

- Dual Bachelor of Professional Studies with a major in information technology and Master of Science in the field of information systems technology (<http://bulletin.gwu.edu/business/dual-bps-integrated-information-science-technology-ms-information-systems-technology/>)
- Dual Bachelor of Professional Studies with a major in information technology and Master of Professional Studies in the field of cybersecurity strategy and information management (<http://bulletin.gwu.edu/professional-studies/dual-bps-information-technology-mps-cybersecurity-strategy-information-management/>)