PURDUE UNIVERSITY | Polytechnic Institute

Computer Systems Analysis and Design (CSAD)

Purdue Polytechnic Institute

Department of Computer and Information Technology

Advising Worksheet

Disclaimer: The Purdue West Lafayette catalog is considered the source for academic and programmatic requirements for students entering programs during the corresponding Fall, Spring, and Summer semesters. The Advising Worksheet assists students in the development of an individualized 8-semester plan. Students are encouraged to use this worksheet and MyPurduePlan* (the online degree auditing tool) as they work with their academic advisor toward the completion of all their degree requirements.

Notification: Each student is ultimately responsible for knowing, monitoring, and completing all degree requirements.

An undergraduate degree in the Purdue Polytechnic Institute requires completion of the following degree requirements.

University Degree Requirements		
Minimum 2.0 Cumulative GPA	Minimum 120 Credits that fulfill degree requirements	32 Residency Credits (30000-level and above) at a Purdue University Campus
University Core Curriculum ** https://www.purdue.edu/provost/students/s-initiatives/curriculum/courses.html		
• Human Cultures: Behavioral/Social Science • Human Cultures: Humanities • Information Literacy • Oral Communication	• Quantitative Reasoning • Science • Science, Technology & Society Selective • Written Communication	
Civics Literacy Proficiency https://www.purdue.edu/provost/about/provostInitiatives/civics/		
Required Major Program Courses (see following pages)		
Departmental specific requirement • Any course taken at Purdue can be attempted no more than three times (inclusive of W, WF, WN, I, and IF) • Students must earn a C- or better in all CNIT courses that are a prerequisite to another CNIT course • 2.0 Cummulative GPA required for Bachelor of Science degree • 2.0 Cummulative GPA in all CNIT courses required for Bachelor of Science degree • Credit cannot be earned for both AGEC 21700 and ECON 21000 to fulfill degree requirements • Credit cannot be earned for both COM 31400 and COM 31500 to fulfill degree requirements • A single course may not fulfill multiple requirements within the CIT BS degree		
Pass/No Pass option		
Non-course/Non-credit Requirements		
• Complete a Professional Requirement. * Complete a Globalization Requirement.		

* This audit is not your academic transcript and it is not official notification of completion of degree or certificate requirements.

** University Core Curriculum Outcomes may be met through completions of the Purdue Polytechnic Institute curriculum. Students should Consult with their academic advisors and MyPurdue Plan for course selections.

Department of Computer & Information Technology – Computing Systems Analysis & Design (CSAD) Worksheet
Academic Year 2024-2025

Name: **Updated:**
PUID: **Minor/Cert:**
Email: **Additional Programs:**
Advisor: **Notes: (grad early, codo from, etc.)**

Recommended Arrangement of CNIT Courses to meet prerequisites/ General Education courses are flexible and may be taken any semester*.
***Intro Composition Selective, Intro to Oral Communication Selective, MA 16010 and MA 16020 are recommended in the first year if space is available.**
See Supplemental Information Tab for Course Options

Fall 1st Year	CR	Prerequisite	Status	Fulfilled by	Spring 1st Year	CR	Prerequisite	Status	Fulfilled by
CNIT 18000 Into to Systems Dev.	3				CNIT 15501 Intro to Software Dev.	3			
Intro Composition Selective*	3				CNIT 17600 Info Tech Architecture	3			
TLI 11200 Foundations of Org Leadership	3				Intro Oral Communication selective*	3			
MA 16010 Applied Calculus I* (PREFERRED), or MA 16500 or MA 16100	3	ALEKS Score minimum of 75%			MA 16020 Applied Calculus II* (PREFERRED), or MA 16600 or MA 16200	3	MA 16010 or 16500 or 16100 minimum grade C-		
TECH 12000 Design Thinking in Tech.*	3				Behavioral/Social Science Selective*	3			
Total Credit Hours	**15**				**Total Credit Hours**	**15**			

Fall 2nd Year	CR	Prerequisite	Status	Fulfilled by	Spring 2nd Year	CR	Prerequisite	Status	Fulfilled by
CNIT 27200 Database Fundamentals	3	(CNIT 18000 or CNIT 18200) and CNIT 15501			CNIT 25501 Object-Oriented Programming	3	CNIT 15501		
CNIT 28000 Systems Analysis & Design Method	3	(CNIT 18000 & or CNIT 18200)			CNIT 27000 Cybersecurity Fundamentals I	3	CNIT 17600 and (CNIT 15501 **may be taken concurrently**)		
CNIT 24200 System Administration	3	CNIT 17600			Statistics Selective	3			
PHIL 15000 Principles of Logic	3				Business Selective (TLI 15200)	3			
Science Selective* (Non Lab or Lab Science)	3				Lab Science Selective*	3			
Total Credit Hours	**15**				**Total Credit Hours**	**15**			

Fall 3rd Year	CR	Prerequisite	Status	Fulfilled by	Spring 3rd Year	CR	Prerequisite	Status	Fulfilled by
Programming Selective (CNIT 31500 or CNIT 32500)	3	CNIT 25501			CGT 17208 Principles of User Experience Design (Prior to Spring 2022: CGT 25600)	3			
CNIT 32000 Policy, Regulation & Globalization	3	Tech 12000 and Junior Standing and third year			CNIT 39200 Enterprise Data Management	3	CNIT 27200		
CNIT 38000 Advanced Analysis and Design	3	CNIT 28000			Accounting Selective	3			
Communication Selective	3				Interdisciplinary Selective	3			
Economics Selective	3				Professional Speaking Selective	3			
Total Credit Hours	**15**				**Total Credit Hours**	**15**			

Fall 4th Year	CR	Prerequisite	Status	Fulfilled by	Spring 4th Year	CR	Prerequisite	Status	Fulfilled by
CNIT 48000 Managing Information Technology Projects	3	(CNIT 18000 or CNIT 18200), Senior and during last year			CSAD Selective	3			
CSAD Selective	3				IT Selective	3			
Professional Writing Selective	3				Humanities Selective*	3			
Interdisciplinary Selective	3				Interdisciplinary Selective	3			
Interdisciplinary Selective	3				Interdisciplinary Selective	3			
Total Credit Hours	**15**				**Total Credit Hours**	**15**			

1. 120 unique semester credits, as applied to your plan of study, and 2.0 Graduation GPA are required for the Bachelor of Science degree.
2. 2.0 Graduation GPA in all CNIT courses required for Bachelor of Science degree.
3. *Fulfills University Core.
4. Students must earn a "C-" or better in all **CNIT courses that are a prerequisite to another CNIT course**.
5. Courses at Purdue University may only be attempted a maximum of three (3) times, including W, I, IF and all graded attempts.
6. 32 credit hours of 300-level or higher courses must be completed at Purdue University.
7. The Department will provide lists of courses that will be offered fall only or spring only.

8a. Professional Requirement.	Criteria and process located in Brightspace - CIT Student Information Course (CourseTools: Assignments) and Professional IT Experience Tab
8b. Globalization Requirement.	CNIT 32000

The student is ultimately responsible for knowing and completing all degree requirements. Students are encouraged to use this advising worksheet as a resource when planning progress toward completion of degree requirements. An Academic Advisor may be contacted for assistance in interpreting this worksheet. This worksheet is not an academic transcript, and it is not official notification of completion of degree or certificate requirements.
Purdue University Catalog https://catalog.purdue.edu is knowledge source for specific requirements.

Revised 05/14/2024 (effective Fall 2024)

PURDUE UNIVERSITY | Polytechnic Institute

2024-2025 CSAD SUPPLEMENTAL INFORMATION (All prerequisites must be met.)

INTRO COMPOSITION SELECTIVE (3 credits)

SCLA 10100 Transformative Text, Critical Thinking and Communication I: Antiquity to Modernity - **Preferred**
ENGL 10600 First-Year Composition (restricted offerings)
ENGL 10800 Accelerated First Year Composition (restricted offerings)
HONR 19903 Interdisciplinary Approaches to Writing (GPA 3.0 Required)
Credit will be accepted in any University Core Curriculum approved Written Communication Course: https://www.purdue.edu/provost/students/s-initiatives/curriculum/courses.html See Written Communication (WC)
Credit will also be accepted for transfer courses with the Course Code: IXUWC

PROFESSIONAL WRITING SELECTIVE (3 credits)

ENGL 41900 Multimedia Writing
ENGL 42000 Business Writing
ENGL 42100 Technical Writing
ENGL 42400 Writing for High Technology Industries (prereq Engl Comp + Tech 120 waives ENGL 30900 prereq)

INTRO ORAL COMMUNICATION SELECTIVE (3 credits)

COM 11400 Fundamentals Of Speech Communication
SCLA 10200 Transformative Texts, Critical Thinking And Communication II: Modern World
EDPS 31500 Collaborative Leadership: Interpersonal Skills
Credit will be accepted in any University Core Curriculum approved Oral Communication Course: https://www.purdue.edu/provost/students/s-initiatives/curriculum/courses.html See Written Communication (OC)
Credit will also be accepted for transfer courses with the Course Code: IXUOC

COMMUNCATION SELECTIVE (*COM 11400 prereq) (3 credits)

COM 21000* Debating Public Issues
COM 21200 Approaches to the Study of Interpersonal Communication
COM 22400 Communicating in the Global Workplace
COM 25100 Communication, Information and Society
COM 30300 Intercultural Communication
COM 31400* OR COM 31500* Speech Communication of Technical Information (credit can only be used for one course)
COM 31800 Principles of Persuasion
COM 32000 Small Group Communication
COM 32400 Introduction to Organizational Communication

PROFESSIONAL SPEAKING SELECTIVE (*COM 11400 prereq) (3 credits)

COM 31400* OR COM 31500 *Speech Communication of Technical Information (credit can only be used for one course)
COM 32000 Small Group Communication
COM 32500 Interviewing: Principles and Practice
COM 41500 Discussion Of Technical Problems

ACCOUNTING SELECTIVE (3 credits)

MGMT 21200 Business Accounting (Preferred)
MGMT 20000 Introductory Accounting

BEHAVIORAL SOCIAL SCIENCE SELECTIVE (3 credits)

http://www.purdue.edu/provost/initiatives/curriculum/course.html See: Human Cultures: Behavioral/Social Sciences (BSS)
Credit will also be accepted for transfer courses with the Course Code: IXBSS

COMPUTING SYSTEMS ANALYSIS & DESIGN (CSAD) SELECTIVES (6 credits)

Each semester there will be a list provided of approved courses to fulfill this requirement.
Not all courses will be offered each semester Examples Include:
CNIT 38301, CNIT 38501, CNIT 40500, CNIT 48200, CNIT 55000, CNIT 55300, CNIT 56200, CNIT 58000, CNIT 58600

ECONOMICS SELECTIVE (3 credits)

AGEC 21700 Economics OR ECON 21000 Principles of Economics (credit can be only used for one course)
ECON 25100 Microeconomics
ECON 25200 Macroeconomics

HUMANITIES SELECTIVE (3 credits)

http://www.purdue.edu/provost/initiatives/curriculum/course.html
See: Human Cultures: Humanities (HUM)Credit will also be accepted for transfer courses with the Course Code: IXHUM

INFORMATION TECHNOLOGY (IT) SELECTIVE (3 credits)

Any non-required 30000 level or higher CNIT course

INTERDISCIPLINARY SELECTIVES (See Separate Tab for Options) (15 credits)

SCIENCE SELECTIVE 6 credits total required (3 CR minimum in a lab science)

http://www.purdue.edu/provost/initiatives/curriculum/course.html

See: Science (SCI)

Credit will also be accepted for transfer courses with the Course Code: IXSCI

STATISTICS SELECTIVE (3 credits)

STAT 22500 Introduction to Probability Models

STAT 30100 Elementary Statistical Methods

STAT 50100 Experimental Statistics I

STAT 51100 Statistical Methods

CNIT Duplicate Credit Courses - Credit may be established toward degree requirements in only one course from each list

CNIT 15501 OR 10500

CNIT 18000 OR 18200

CNIT 32300 OR 42000

CNIT 32000 OR 37100

Professional IT Experience (See Separate Tab for Options)

Interdisciplinary Selectives (15 credits)
The Interdisciplinary Selective requirement can be met in three ways:
1. Any University recognized non-computing minor or certificate with at least 15 credits recommended. Minor and Certificate Requirements are listed here: https://catalog.purdue.edu
a) CGT, CNIT, CS and ECE are considered computing minors and are not available as interdisciplinary selectives.
b) If some courses from the minor fulfill other departmental requirements, additional courses will be required to satisfy the 15 interdisciplinary credit hours.

- The following are approved options:
  - Honors (HONR) courses
  - Courses in the same area as their completed minor or certificate
  - Courses complementary to their completed minor or certificate
  - Courses that are part of a minor or a university wide certificate of 15 credits or more
  - Foreign Language courses that are a pre-requisite to a foreign language minor, other courses that are pre-requisites to minors will be considered

2. Fifteen credit hours within one non-computing subject (course prefix) such that:
- At least six credit hours in advanced courses at the 30000-level or higher with a required prerequisite in the same subject
- Up to six credit hours may be introductory-level courses at the 20000-level or higher without a prerequisite from the same subject.
- No more than three credit hours may be an introductory-level course at the 100000-levelwithout a pre-requisite from the same subject

3. A department-approved set of non-computing courses in (a) subject area(s) to which Information Technology can be applied. This option allows a student to create a set of complementary courses across subjects that collectively meet an over-arching objective. To choose this option, submit a one-page document detailing your objective and list the courses proposed to meet the fifteen credit-hour requirement and how each will contribute to the over-arching objective.

PROFESSIONAL INFORMATION TECHNOLOGY(IT) EXPERIENCE REQUIREMENT

The Professional IT internship must meet the following requirements:

- Six-week (at 40 hours a week) minimum duration OR 240 hours of IT employment OR 240 hours of documented volunteer IT work
- Completed Employer Verification Form
- Completed Reflection Paper

OR

Service-Learning Course: project must be preapproved prior to completion: (CNIT 39000, EPCS: Engineering Projects in Community Service, TDM: The Data Mine, OR VIP- Vertically Integrated Projects, or Equivalent) with responsibility for an IT component (3 credit hours minimum) – this option does not require an Employer submission. Grade of C- or Better required.

Completed Reflection Paper

Upon completion of the Professional IT Experience, you will prepare a three-page, double-spaced Reflection Paper.

If you are graduating in the same semester of completion, the due date for the Employer Verification Form and the Reflection Paper is before the end of the 12th week. **It is highly recommended that you complete the documentation as soon as you finish your experience.**