

Information Systems BS (2018- 2019) - Degree Requirements (120 Hrs.)

Name _____

Student ID _____

Advisor _____

Personal Email _____

Associate of Science - Information Systems

60 Cr Hrs including 30 General Education Required

Information Systems Core	Cr.	GR	Sem
IST 14000	3		
IST 20300	3		
CS 16000 P: MA 15300/15900	4		
IST 16000	3		
IST 26500 P: IST 16000	3		
IST 27000 P: IST 16000	3		
<i>Subtotal</i>	19		

Basic Supporting Courses

BUS 20100	3		
ECON 20000 or 20100	3		
Approved Elective	3		
Approved Elective	2		
<i>Subtotal</i>	11		

General Education Requirements

ENGL 13100	3		
COM 11400	3		
MA 15300/15900 (or higher)	3		
Scientific Ways	3		
Social & Behavioral Ways (OLS 25200 Recommended)	3		
Humanistic & Artistic (PHIL 11100 recommended)	3		
Interdisciplinary or Creative Ways (3) (BUS 10000 recommended)	3		

Approved courses from Category A or B

ENGL 23400	3		
COM 30300	3		
(CS 11200 Recommended)	3		

Other Degree Requirements:

* Only CS and IST courses with a grade of C or better may count towards degrees in the Department of Computer Science. Other courses, including Gen. Ed. may require a grade of C- or better (see catalog for final authority).

Bachelor of Science - Information Systems

120 Cr Hrs including 3 General Education Capstone (2)

IS Topics Advanced Core	Cr.	GR	Sem
IST 34000 P: IST 27000	3		
IST 35000 P: IST 26500	3		
IST 37000 P: IST 27000	3		
IST 43000 P: IST 35000	3		
IST 44000 P: IST 27000	3		
IST 46600 P: IST 37000 or IS/CS 36600	3		
IST 46700 P: IS/CS Senior Standing	3		
<i>Subtotal</i>	21		

Advanced Supporting Courses

MA 17500	3		
ECON 27000 or STAT 30100/51100	3		
MA 22900 P: MA 15300/14900	3		
BUS 20200 or ECON 20201	3		
Advanced Business Elective (1)	3		
Advanced Business Elective (1)	3		
<i>Subtotal</i>	18		

Minor or Certificate or Area of Depth

Approved M/C/D Elective	3		
Approved M/C/D Elective	3		
Approved M/C/D Elective	3		
Approved M/C/D Elective	3		
Approved M/C/D Elective	3		
<i>Subtotal</i>	15		
Approved Elective			
(IST 45000 or IST 49200 recommended)	3		
<i>Subtotal</i>	3		

Category C. Capstone (for BS Degree)

8. CS 30600 (2)	3		
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* (1) Advanced Business electives are from the following courses: (see advisor for enrollment instructions in Doermer School of Business) BUS 30000 , BUS 30100, BUS 30101, BUS 30102, BUS 30200

* No more than 10 credit hours of "D" grades outside of General Education and CS/IST courses may count towards IS degrees. Other department requirements will take precedence. *CS 10600 or ETCS 10600 will not count towards the BS Degree.

* ENGL 12900/15000/19000 and MA 11100/12401 do not count for credit towards the IS degrees. No credit toward graduation will be given for courses or sequences with overlapping content or for developmental courses (see PFW Bulletin).

Minors / Certificates / Depth Areas

It is expected that each Bachelor of Science Degree graduate will obtain one or more Minors, a Certificate, or Depth Area. Examples of areas include:

- * Business Studies
- * Computer Science
- * Computer Networking
- * Networking Administration
- * Organizations, Leadership & Supervision (undergrad Cat.)

MINOR in Computer Science¹	Cr.	GR	Sem
CS 16000 Intro to Computer Science I	4		
CS 16100 Intro to Computer Science II	4		
CS 26000 Data Structures	3		
CS 2xx00 or above (recommend CS 36400)	3		
CS 2xx00 or above (recommend CS 36500)	3		
MA 17500 Intro Discrete Mathematics	3		
Subtotal	20		

¹Database depth or other depth. MA 17500 already in IS degree. CS 27400, CS 37200, CS 36000 and others could be considered. Consult with Dept of Computer Science for a minor.

Business Studies Minor¹ / Depth²	Cr	GR	Sem
BUS 20100 Princ. of Financial Accounting ^{1**}	3		
ECON 20101 Intro to Microeconomics ^{1 **}	3		
BUS 20102 Marketing for the Small Business ^{1 *}	3		
or BUS 30101 Marketing Mangement ^{1 **}	3		
BUS 20101 The Computer in Business ^{1 **}	3		
BUS 30200 Management of Organizations ^{1 **}	3		
Choose one of the following for the Business Minor			
BUS 20300 Commercial Law I	3		
BUS 30000 International Bus Admin	3		
BUS 30100 Financial Management	3		
BUS 30102 Managing Operations	3		
BUS 32800 Intro to Taxation	3		
BUS 31700 Computer-Based Accouting Sys	3		
Any 30000 or 40000 Level ECON course	3		
Total for Minor (12 must be from PFW)	18		
Subtotal for Depth ²	15		

You must earn a C- or better in each of the Business related courses for the Minor in Business (Non-Bus Majors)

1,2 Check the prerequisites carefully to make sure all the re-reqs are met for the selected courses.

² For Business Depth, must select 15 credits on BUS or ECON Courses which

are not used to satisfy course requirements for Basic or Advanced Supporting Courses

Consult with School of Business for a Business Studies Minor.

2018-2019 Degree Requirements

Computer Networking Certificate	Cr.	GR	Sem
CPET 18100 Computer Operating Systems	3		
CPET 28101 Local Area Networks & Mgmt.	3		
CPET 36400 Network Security	3		
ECET 26400 or CS 23200 (C Programming)	3		
CPET 35500 Data Comm. & Networking or CS 27400 or ECET 35500	4		
CPET 38400 Wide Area Network Design or CPET 49300 or CPET 49500 or CPET 49900 or CS 37400	3		
CPET 49900 Computer Engr. Tech. Project	1		
Subtotal	20		

Consult with Dept of CEIT for a Certificate

Networking Administration (NA) Depth Area	Cr	GR	Sem
CPET 18100 Computer Operating Systems	3		
CPET 28100 Local Area Networks	3		
CPET 36400 Networking Security	3		
CS 44500 Computer Security	3		
IST 45000 IT Audit & Controls	3		
Subtotal	15		

Consult with Dept of Computer Science for NA Depth Area.

Gen Ed Courses Meeting All Learning Outcomes as of August 5, 2018

Students must earn a grade of C- or better in each course used to satisfy the PFW general education requirements.

B.4 Scientific Ways	
ANTH 20000	Cr
ASTR 10000	3
BIOL 32700	3
CHM 11100	3
CHM 12000	3
CHM 11500	3
CHM 12000	4
GEOG 10700	3
GEOG 10900	3
EAPS 10001	3
EAPS 10300	3
EAPS 10401	3
EAPS 21000	3
PHYS 10500	3
PHYS 11500	3
PHYS 15200	3
PHYS 21800	5
PHYS 22000	4
	4

B.5. Social and Behavioral Ways	
ANTH 10501	Cr
ANTH 20001	3
COM 30300	3
GERN 23100	3
IET 10500	3
LING 10300	3
OLS 25200	3
OLS 26800	3
POL 10101	3
POL 10300	3
POL 10700	3
POL 10900	3
POL 21200	3
POL 30101	3
POL 31900	3
PSY 12000	3
PSY 23500	3
PSY 24000	3
PSY 33500	3
PSY 35000	3
PSY 36900	3
SOC 16101	3
SOC 16300	3
SOC 31701	3
WOST 21000	3
	3

B.6. Humanistic/Artistic Ways	
CLCS 20500	3
COM 24800	3
ENGL 10101	3
ENGL 10201	3
ENGL 20201	3
ENGL 25001	3
ENGL 25100	3
FVS 10100	3
AD 10101	3
AD 11100	3
AD 11201	3
HIST 10501	3
HIST 10601	3
HIST 11300	3
HIST 11400	3
HIST 20101	3
HIST 23200	3
PHIL 11000	3
PHIL 11100	3
PHIL 30100	3
PHIL 30200	3
PHIL 30300	3
PHIL 30400	3
PHIL 31200	3
WOST 22500	3

B.7. Creative Ways	
ARET 22500	3
CS 11200	3
ENGL 10301	3
ENGL 20301	3
AD 10801	3
AD 16500	3
AD 23900	3
COM 21000	3
MUSC 15300	3
MUSC 14000	3
THTR 13400	3