HOW TO READ YOUR

DEGREEWORKS

and

PROCESS A "WHAT IF"

for

COMPUTER SCIENCE MAJORS

READING YOUR DEGREE WORKS AUDIT

1. Navigate to your DegreeWorks via BUBrain. Select the "Student" tab, click on "Student Records" and then click on "Degree Works".

The following should be used as a key when reading through your Degree Works requirements:

☐   Requirements with an empty red box are incomplete

▣   Requirements with a blue tile are in progress

✅   Requirements with a green check mark are complete

Please be sure to review your Degree Works in detail. It is important that if you have questions about your Degree Works or if courses are missing or don't appear to be applying as they should, that you come in and speak with a Watson Academic Advisor as soon as possible.

2. Your Degree will be shown at the top of your Degree Works.

Degree	Major	Student Class Level
BS ▼	170 BS Computer Scienc	Fresh 2 Star

If you have multiple degrees, you can view them by clicking the down arrow in the Degree box.

3. The first block that you'll see contains your personal identification information and general information about you as a student including GPA, academic standing, majors/minors and financial aid information, etc.

Student View	B00730524 as of 09/18/2018 at 00:22			
Student		Level	Undergraduate
ID		Degree	Bachelor of Science
Classification	Fresh 2 Standing 8 t	College	UG Watson
Advisor	Click Here for Advisor Info	Major	170 BS Computer Science
Overall GPA	3.77	Minor	
Transfer Student	No	Candidate	
Holds		Sport	
Confidential		Audit ID	A009CKNl
Fin Aid Fed	Yes	Fin Aid TAP	Yes
Registered	No	Fin Aid Excl	No

NOTE: It is important when meeting with an advisor to make them aware of any NYS Financial Aid that you are receiving so we can ensure you meet the eligibility requirements.

4. The Degree Progress bars can mainly be ignored until you are preparing to graduate. They will say 100% when all of your degree requirements have been met.

Degree Progress

Requirements	22%	
Credits	20%	
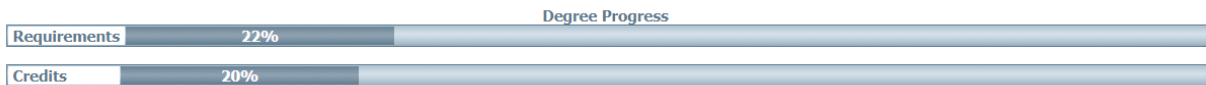
5. The Bachelor of Science block contains the high level requirements you must meet in order to receive your degree including the number of total credits, the Watson residency requirement and liberal arts credit requirement. Additionally, it keeps track of the GPA requirement, High School Transcript and your overall Gen Ed and Major requirements.

■ Bachelor of Science		Academic Year: 2018-2019
Unmet conditions for this set of requirements:	A minimum of 126 Credits are required. You have earned 25 credits, which includes In Progress classes you are taking. You need 101 more credits. To fulfill the residency requirement 40 credits must be taken in the Watson School. You have earned 5 credits, which includes In Progress classes you are taking. You need 35 more credits. 60 Credits Required in Liberal Arts. You have earned 20 credits, which includes In Progress classes you are taking. You need 40 more credits.	
126 credits are required to graduate. You have taken 25 credits which includes In Progress classes.		
✅ 2.0 GPA requirement met		
✅ You have submitted your final high school Transcript		
☐ General Education Requirements	Still Needed: See **General Education Requirements** section	
☐ Major Requirements	Still Needed: See **Major in Computer Science** section	

NOTE: In order to graduate you must have a *cumulative GPA* of a 2.0 or better AND a *major GPA* of a 2.0 or better.

6. The General Education Requirements block lists all of the Gen Ed requirements and in the instances where there are multiple ways to fulfill these requirements, lists out those options.

General Education Requirements   Academic Year: 2018-2019

- **1: AESTHETICS (A)**   Still Needed: Choose from 1 of the following:
  - Aesthetics Course   (3 Credits in @ @ ATTRIBUTE = A AND In residence = N) or
  - Aesthetics Course   (4 Credits and 1 Class in @ @ ATTRIBUTE = A) or
  - 4 Credits of Music Performance   (4 Credits in MUSP @)
- **2: COMPOSITION (C or J) & ORAL COMMUNICATION (O or J)**   Still Needed: Choose from 1 of the following:
  - Joint Composition/Oral Communication (J)   (1 Class in @ @ ATTRIBUTE = J) or
  - COMPOSITION & ORAL COMMUNICATION   (Choose from 2 of the following:)
    - Composition (C)   (1 Class in @ @ ATTRIBUTE = C) and
    - Oral Communication (0)   (1 Credit in @ @ ATTRIBUTE = O)
- **3. GLOBAL INTERDEPENDENCIES (G)**   Still Needed: 1 Class in @ @ ATTRIBUTE = G Except GERM 102 In residence = N
  - If GERM 101 and 102 are taken at BU see your advisor for completion of the Global Interdependencies requirement.
- **4. HUMANITIES (H)**   Still Needed: 1 Class in @ @ ATTRIBUTE = H
- **5. LABORATORY SCIENCE (L)**   Still Needed: Choose from 1 of the following:
  - Laboratory Science (L)   (3 Credits in @ @ ATTRIBUTE = L) or
  - Science Lecture with Corresponding Lab Class   (Choose from 1 of the following:)
    - The Sun, Starts & Galaxies (plus lab)   (2 Classes in ASTR 114 and 115) or
    - Organic Chemistry I (plus lab)   (2 Classes in CHEM 231 and 335) or
    - General Psychology (plus lab)   (2 Classes in PSYC 111 and 112) or
    - Physiological Psychology (plus lab)   (2 Classes in PSYC 362 and 363) or
    - Experimental Psychology - Perception (plus lab)   (2 Classes in PSYC 351 and 352) or
    - Psychology (plus lab)   (2 Classes in PSYC 353 and 354) or
    - Experimental Psychology - Learning (plus lab)   (2 Classes in PSYC 356 and 357) or
    - Experimental Psychology - Cognition (plus lab)   (2 Classes in PSYC 358 and 359) or
    - Intro to Cell and Molecular Biology (plus lab)   (2 Classes in BIOL 113 and 115) or
    - Intro to Organisms and Pops Biology (plus lab)   (2 Classes in BIOL 114 and 115)
- **MATHEMATICS (M)**
  - The M General Education Requirement can be fulfilled by any designated M course or by any of the following Calculus sequences: MATH 223/224, MATH 224/225, MATH 225/226, or MATH 226/227.

MATHEMATICS (M)	MATH 224	Differential Calculus	IP	(2)	Fall 2018
	MATH 225	Integral Calculus	IP	(2)	Fall 2018

- **7. PHYSICAL ACTIVITY & WELLNESS OPTIONS**   Still Needed: Choose from 1 of the following:
  - One 2-credit Combined Course (B)   (2 Credits and 1 Class in @ @ ATTRIBUTE = B) or
  - PHYSICAL ACTIVITY & WELLNESS   (Choose from 2 of the following:) or
    - Physical Activity (Y)   (1 Credit and 1 Class in @ @ ATTRIBUTE = Y) and
    - Wellness (S)   (1 Credit and 1 Class in @ @ ATTRIBUTE = S)
  - PHYSICAL ACTIVITY & WELLNESS   (Choose from 2 of the following:) or
    - Combined Physical Activity & Wellness (B)   (1 Credit in @ @ ATTRIBUTE = B) and
    - Physical Activity (Y)   (1 Credit and 1 Class in @ @ ATTRIBUTE = Y)
  - PHYSICAL ACTIVITY & WELLNESS   (Choose from 2 of the following:) or
    - Combined Physical Activity & Wellness (B)   (1 Credit and 1 Class in @ @ ATTRIBUTE = B) and
    - Wellness (S)   (1 Credit and 1 Class in @ @ ATTRIBUTE = S)
  - PHYSICAL ACTIVITY & WELLNESS   (Choose from 2 of the following:)
    - 1 Credit Combined Physical Activity & Wellness (B)   (1 Credit and 1 Class in @ @ ATTRIBUTE = B) and
    - 1 Credit Combined Physical Activity & Wellness (B)   (1 Credit and 1 Class in @ @ ATTRIBUTE = B)
- **8. PLURALISM (P)**   Still Needed: 1 Class in @ @ ATTRIBUTE = P
- **9. SOCIAL SCIENCE (N)**   Still Needed: 1 Class in @ @ ATTRIBUTE = N
- ✅ **10. Foreign Language Requirement**

✅ **Foreign Language Requirement**   Academic Year: 2018-2019

- ✅ **10. FOREIGN LANGUAGE REQUIREMENT WAIVED**

7. The Major in Computer Science Block lists all of the major requirements which include Composition, Humanities/Social Science, Free Electives, a Science Sequence and an additional Lab Science, as well as your Math and Computer Science courses.

Major in Computer Science   Academic Year: 2018-2019   Major GPA: 0.00

Unmet conditions for this set of requirements: Minimum GPA unsatisfied.
57 semester credits in Computer Science are required. You currently have 5, you still need 52 more semester credits.
A minimum of 40 credits must be earned in Watson School courses. You currently have 15, you still need 25 more credits.

Your GPA is 0.00; a GPA of 2.0 is required A 2.0 GPA is required in the core computer science courses. A grade of C- or better is needed in all computer science courses.

- One Composition Course Required   Still Needed: 3 Credits in @ @ ATTRIBUTE = C, J Except CS 301
  - WRIT 110   W   Research and Rhetoric   IP   (4)   Fall 2018
- Humanities/Social Sciences   Still Needed: 16 Credits in AAAS @ or APST @ or ANTH @ or ARAB @ or ARTH @ or ARTS @ or CHIN @ or CINE @ or CLAS @ or CW @ or ECON @ or EGYN @ or ENG @ or EVOS @ or FREN @ or GEOG @ or GERM @ or GRK @ or HEBR @ or HIST @ or HUM @ or ISRL @ or ITAL @ or JPN @ or JUST @ or KOR @ or LACS @ or LAT @ or MDVL @ or MUS @ or MUSP @ or PHIL @ or PIC @ or PLSC @ or RHET @ or RUSS @ or SOCS @ or SPAN @ or THEA @ or THEP @ or TRIP @ or TURK @ or VIET @ or WOMN @ or YIDD @ or SCHL @ ATTRIBUTE = N, R, G, H, A or ENVI 101 or HDEV 305 or 306 or 308 or 309 or 315 or 328 or 340 or 343 or 348 or 348 or 348 or 350 or 363 or 405 or 412 or 414 or 415 or 415 or 418 or LING 112 or 118 or 119 or 155 or 214 or 218 or 249 or 312 or 314 or 316 or 349 or 442 or 449 or 466 or UNIV 300 or 300H or WRIT 111
  - CS 110   Pgming Concepts&Applic (LEC)   IP   (4)   Fall 2018
  - WRIT 101   W   Bridging Academic Writing   A-   2   Summer 2018
- Thirteen Credits of Free Electives   Still Needed: 7 Credits in @ @ Except CS 101 or 120 or 140 or 220 or 240 or 300:499 or MATH 221 or XXX or 224 or 225 or 222 or 226 or 227 or 314 or 330 or 327 or 448 or 304 or 371 or 381 or 386 or 407 or WRIT 111 or BIOL 113 or 114 or 115 or 117 or 118 or CHEM 107 or 108 or 231 or 235 or PHYS 131 or 132 or ASTR 114 or 115 or CHEM 231 or 235 or PSYC 111 or 112 or 361 or 362 or 351 or 352 or 353 or 354 or 356 or 357 or 358 or 359 additionally, you need a minimum of 3 Credits from AAAS @ or APST @ or ANTH @ or ARAB @ or ARTH @ or ARTS @ or ASTR @ or BCHM @ or BIOL @ or CDCI @ or CHEM @ or CHIN @ or CINE @ or CLAS @ or COLI @ or CUR @ or CW @ or ECON @ or EGYN @ or ENG @ or ENVI @ or ESL @ or ELI @ or EVOS @ or FREN @ or GEOG @ or GEOL @ or GERM @ or GLST @ or GRK @ or HARP @ or HEBR @ or HIND @ or HIST @ or HUM @ or ITAL @ or JPN @ or JUST @ or KOR @ or LACS @ or LART @ or LAT @ or LING @ or LND @ or MATH @ or MDVL @ or MSCI @ or MUS @ or MUSP @ or PERS @ or PHIL @ or PHYS @ or PIC @ or PLSC @ or PPL @ or PSYC @ or RHET @ or ROML @ or RUSS @ or SCHL @ or SOC @ or SOCS @ or SPAN @ or THEA @ or THEP @ or TRIP @ or TURK @ or UNIV @ or VIET @ or WOMN @ or YIDD @
- SCIENCE SEQUENCE   Still Needed: Choose from 1 of the following:
  - Organismal & Population and Cell & Molecular   (3 Classes in BIOL 113 and 114 and 115) or
  - Introductory Chemistry I and II   (2 Classes in CHEM 107 and 108) or
  - General Physics I and II   (2 Classes in PHYS 131 and 132)
- LABORATORY SCIENCE   Still Needed: Choose from 1 of the following:
  - Laboratory Science   (3 Credits in @ @ ATTRIBUTE = L Except PHYS 121 or 122) or
  - SCIENCE WITH LAB   (Choose from 1 of the following:)
    - The Sun, Starts & Galaxies (plus lab)   (2 Classes in ASTR 114 and 115) or
    - Organic Chemistry I (plus lab)   (2 Classes in CHEM 231 and 335) or
    - General Psychology (plus lab)   (2 Classes in PSYC 111 and 112) or
    - Physiological Psychology (plus lab)   (2 Classes in PSYC 362 and 363) or
    - Experimental Psychology - Perception (plus lab)   (2 Classes in PSYC 351 and 352) or
    - Psychology (plus lab)   (2 Classes in PSYC 353 and 354) or
    - Experimental Psychology - Learning (plus lab)   (2 Classes in PSYC 356 and 357) or
    - Experimental Psychology - Cognition (plus lab)   (2 Classes in PSYC 358 and 359)

NOTE: This is the block where you can see your Major GPA. It is located in the top right corner under the Academic Year as well as in the text just below the header in the gray area.

☑ CALCULUS I					
☑ Calculus I	MATH 224	Differential Calculus	IP	(2)	Fall 2018
	MATH 225	Integral Calculus	IP	(2)	Fall 2018
☐ CALCULUS II	Still Needed:	Choose from 1 of the following:			
☐ Calculus II		(2 Classes in **MATH** 226 and 227) or			
☐ Calculus II		(1 Class in **MATH** 230)			
☐ Discrete Mathematics or Intro to Higher Math	Still Needed:	1 Class in **MATH** 314 or 330			
☐ Probability with Statistical Methods	Still Needed:	1 Class in **MATH** 327 or 448			
☐ Mathematics Elective	Still Needed:	1 Class in **MATH** 304 or 371 or 381 or 386 or 407			
	MATH 224	Differential Calculus	IP	(2)	Fall 2018
☐ Total of 20 Mathematics Credits	MATH 225	Integral Calculus	IP	(2)	Fall 2018
	Still Needed:	16 Credits in **MATH** 221 or 314 or 330 or 222 or 226 or 227 or 327 or 448 or 371 or 381 or 386 or 407 or 304			
REQUIRED CS COURSES:					
☐ Ethical, Social and Global Issues in Computing	Still Needed:	1 Class in **CS** 301			
☑ Professional Skills, Ethics, and CS Trends	CS 101	Prof Skills Ethics & CS Trends	IP	(1)	Fall 2018
☐ Programming and Hardware Fundamentals	Still Needed:	1 Class in **CS** 120			
☐ Programming with Objects and Data Structures	Still Needed:	1 Class in **CS** 140			
☐ Architecture from Programmers Perspective	Still Needed:	1 Class in **CS** 220			
☐ Data Structures and Algorithms	Still Needed:	1 Class in **CS** 240			
☐ Advanced Computer Architecture	Still Needed:	1 Class in **CS** 320			
☐ Operating Systems	Still Needed:	1 Class in **CS** 350			
☐ Automata Theory and Formal Languages	Still Needed:	1 Class in **CS** 373			
☐ Design and Analysis of Algorithms	Still Needed:	1 Class in **CS** 375			
☐ Programming Languages	Still Needed:	1 Class in **CS** 471			
☐ One Computer Science Elective from A list	Still Needed:	1 Class in **CS** 428 or 451 or 457 or 476 or 480F Term = Spring 2018			
☐ One Computer Science Elective from B list	Still Needed:	1 Class in **CS** 440 or 442 or 445 or 472 or 480W			
☐ Two additional Computer Science electives	Still Needed:	2 Classes in **CS** 338 or 402 or 424 or 426 or 432 or 433 or 435 or 436 or 441 or 443 or 455 or 458 or 459 or 460 or 480@ or 395 or 396 or 499			

8. Below the major requirements you will be able to see courses that are falling into an Electives category. These are courses that are giving you credit but not necessarily progress towards your degree.

Electives					
MATH XXX	Math Elective		TC	4	Summer 2018
Satisfied by:	AP66 - Advanced Placement EXM				

NOTE: If you are a recipient of NYS Financial Aid and the courses you are registered for fall into this category, come in and speak with an advisor to ensure that you are meeting the eligibility requirements of your award.
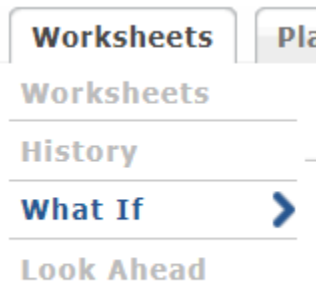
9. You can also see the courses that you are currently registered for in the In-progress block.

In-progress				Credits Applied: 17	Classes Applied: 6
ARTH 110	Introduction to Art History I	IP	4	Fall 2018	
CS 101	Prof Skills Ethics & CS Trends	IP	1	Fall 2018	
CS 120	Prog & Hardware Fundamentals	IP	4	Fall 2018	
HIST 285E	Jewish History Ancient to 1500	IP	4	Fall 2018	
MATH 224	Differential Calculus	IP	2	Fall 2018	
MATH 225	Integral Calculus	IP	2	Fall 2018	

PROCESSING A WHAT-IF

1. Select the What If from the menu on the left hand side of the screen.

2. This is what the form will look like:

3. In the first block, select your primary area of study – you must select both a Program and a Major. In most instances this will be a Computer Science BS and Computer Science BS 170, respectively. If you want to look at changing your primary major you can do that in this block as well by selecting any other program.

4. In the second block, you can add additional areas of study – for example if you wanted to complete a Math double major. Select both the Program and Major again and click Add.

5. The third block allows you to add specific courses (ex. Subject – WRIT, Number - 111) to see how it would affect your degree progress. You can add multiple courses at the same time. This is also the look ahead feature which can be used as a stand-alone tool as well.

Worksheets | Pl
Worksheets
History
What If
Look Ahead ❯
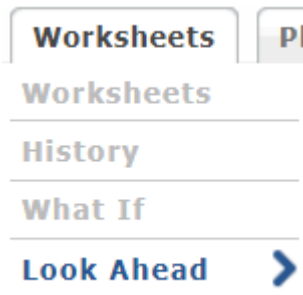
6. Once you've created your desired scenario, you can click Process What-If at the top of the screen. This will take you to what your Degree Works would look like given your inputs.

ans | **Exceptions** | **GPA Calc**
Format:
Student View ▼ | Process What-If | Save as PDF
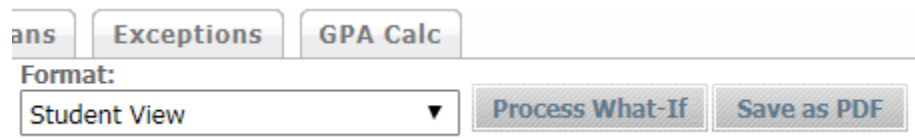
As always, if you have questions about your Degree Works, how to process a What If, or want to map out a course plan, stop into Watson Advising and let us help you!

Watson School Advising Office

Engineering Building – Main Campus

M-Pod

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