




**HOW TO READ YOUR
DEGREEWORKS
and
PROCESS A “WHAT IF”
for
ENGINEERING 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 tilde 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
NA	229 Engineering Design	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 800755455 as of 09/14/2018 at 17:48			
Student		Level	Undergraduate
ID		Degree	N/A
Classification	Fresh 2 Standing 8 t	College	UG Watson
Advisor	Click Here for Advisor Info	Major	229 Engineering Design
Overall GPA	3.05	Minor	
Transfer Student	No	Candidate	
Holds		Sport	
Confidential		Audit ID	A009CH8h
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.



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 residency requirements and Math and Natural Science credit requirement. Additionally, it keeps track of the GPA requirement, High School Transcript and your overall Gen Ed and Major requirements.

Degree Requirements		Academic Year: 2018-2019
<p>Your GPA is 0.00; a GPA of 2.0 is required A minimum of 127 Credits are required. You have earned 36 credits, which includes In Progress classes you are taking. You need 91 more credits. To fulfill the residency requirement 30 credits must be taken in the Watson School. You have earned 0 credits, which includes In Progress classes you are taking. You need 30 more credits. 32 Credits Required in Math and Natural Science. You have earned 16 credits, which includes In Progress classes you are taking. You need 16 more credits. A minimum of 40 credits must be taken in residence. You have taken 16 credits. You need 24 more credits. Your GPA is 0.00; a GPA of 2.0 is required</p>		
Unmet conditions for this set of requirements:		
<input type="checkbox"/> 2.0 GPA requirement not met	Still Needed: Your GPA is below the 2.0 required	
<input checked="" type="checkbox"/> You have submitted your final high school Transcript		
<input type="checkbox"/> General Education Requirements	Still Needed: See General Education Requirements section	
<input type="checkbox"/> Major Requirements	Still Needed: See Major in Engineering Design section	
<input checked="" type="checkbox"/> NYS TAP and Excelsior Degree Applicable Overrides		

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.



The Foreign Language Requirement is waived for Engineering students.

General Education Requirements							Academic Year: 2018-2019
<input type="checkbox"/> 1. AESTHETICS (A)	Still Needed:		Choose from 1 of the following: (3 Credits in @ @ ATTRIBUTE = A AND In residence = N) or (4 Credits and 1 Class in @ @ ATTRIBUTE = A) or (4 Credits in MUSP @)				
<input type="checkbox"/> Aesthetics Course							
<input type="checkbox"/> Aesthetics Course							
<input type="checkbox"/> 4 Credits of Music Performance							
<input type="checkbox"/> 2. COMPOSITION (C or J) & ORAL COMMUNICATION (O or J)	Still Needed:		Choose from 1 of the following: (1 Class in @ @ ATTRIBUTE = J) or (Choose from 2 of the following:) (1 Class in @ @ ATTRIBUTE = C) and (1 Credit in @ @ ATTRIBUTE = O)				
<input type="checkbox"/> Joint Composition/Oral Communication (J)							
<input type="checkbox"/> COMPOSITION & ORAL COMMUNICATION							
<input type="checkbox"/> Composition (C)							
<input type="checkbox"/> Oral Communication (O)							
<input checked="" type="checkbox"/> 3. GLOBAL INTERDEPENDENCIES (G)	MUS 111	A G	Music Cultures: Far East, Asia	IP	(4)	Fall 2018	
If GERM 101 and 102 are taken at BU see your advisor for completion of the Global Interdependencies requirement.							
<input type="checkbox"/> 4. HUMANITIES (H)	Still Needed:		1 Class in @ @ ATTRIBUTE = H				
<input checked="" type="checkbox"/> 5. LABORATORY SCIENCE (L)	CHEM 111	L	Chemical Principles (LEC)	IP	(4)	Fall 2018	
<input checked="" type="checkbox"/> 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.						
<input checked="" type="checkbox"/> MATHEMATICS (M)	MATH 224	M	Differential Calculus	TB	2	Summer 2018	
	Satisfied by	AP66 - Calculus AB - Advanced Placement EXM					
	MATH 225	N	Integral Calculus	TB	2	Summer 2018	
	Satisfied by	AP66 - Calculus AB - Advanced Placement EXM					
<input type="checkbox"/> 7. PHYSICAL ACTIVITY & WELLNESS OPTIONS	Still Needed:		Choose from 1 of the following: (2 Credits and 1 Class in @ @ ATTRIBUTE = B) or (Choose from 2 of the following:) or (1 Credit and 1 Class in @ @ ATTRIBUTE = Y) and (1 Credit and 1 Class in @ @ ATTRIBUTE = S)				
<input type="checkbox"/> One 2-credit Combined Course (B)							
<input type="checkbox"/> PHYSICAL ACTIVITY & WELLNESS							
<input type="checkbox"/> Physical Activity (Y)							
<input type="checkbox"/> Wellness (S)							
<input type="checkbox"/> PHYSICAL ACTIVITY & WELLNESS							
<input type="checkbox"/> Combined Physical Activity & Wellness (B)							
<input type="checkbox"/> Physical Activity (Y)							
<input type="checkbox"/> PHYSICAL ACTIVITY & WELLNESS							
<input type="checkbox"/> Combined Physical Activity & Wellness (B)							
<input type="checkbox"/> Wellness (S)							
<input type="checkbox"/> PHYSICAL ACTIVITY & WELLNESS							
<input type="checkbox"/> 1 Credit Combined Physical Activity & Wellness (B)							
<input type="checkbox"/> 1 Credit Combined Physical Activity & Wellness (B)							
<input type="checkbox"/> 1 Credit Combined Physical Activity & Wellness (B)							
<input type="checkbox"/> 1 Credit Combined Physical Activity & Wellness (B)							
<input type="checkbox"/> 8. PLURALISM (P)	Still Needed:		1 Class in @ @ ATTRIBUTE = P				
<input checked="" type="checkbox"/> 9. SOCIAL SCIENCE (N)	ECON 162	N	Principles Of Macroeconomics	TC	4	Summer 2018	
	Satisfied by	AP35 - Macroeconomics AP - Advanced Placement EXM					
<input checked="" type="checkbox"/> 10. Foreign Language Requirement							
<input checked="" type="checkbox"/> Foreign Language Requirement	Academic Year: 2018-2019						
<input checked="" type="checkbox"/> 10. Foreign Language Waived for Engineers							

7. The Engineering Common Core Block lists all of the freshmen year requirements. These courses are common among all Engineering majors and include Calculus I and II, Chemistry, Physics and the EDD sequence.

Engineering Common Core							Academic Year: 2017-2018
Watson Academic Advising answers all questions about General Education and Watson College Requirements. Visit the Watson Academic Advising website for more information by clicking here. Please print this report and bring it with you to Watson Academic Advising in the Engineering Building M-POD.							
<input checked="" type="checkbox"/> CALCULUS I							
<input checked="" type="checkbox"/> Calculus I	MATH 224		Differential Calculus	B-	2	Fall 2017	
	MATH 225		Integral Calculus	C	2	Fall 2017	
<input checked="" type="checkbox"/> INTRODUCTORY CHEMISTRY							
<input checked="" type="checkbox"/> Chemical Principles	CHEM 111	L	Chemical Principles (LEC)	B-	4	Fall 2017	
<input checked="" type="checkbox"/> Exploring Engineering I	WTSN 111		Intro to Engineering Design	A-	2	Fall 2017	
<input checked="" type="checkbox"/> Engineering Communications I	WTSN 103		Engineering Communications I	A-	2	Fall 2017	
<input checked="" type="checkbox"/> CALCULUS II							
<input checked="" type="checkbox"/> Calculus II	MATH 226		Integration Tech & Application	B-	2	Spring 2018	
	MATH 227		Infinite Series	C	2	Spring 2018	
<input checked="" type="checkbox"/> General Physics I	PHYS 131	L	Gen Physics I Calc - WTSN ONLY	C	4	Spring 2018	
<input checked="" type="checkbox"/> Exploring Engineering II	WTSN 112	J	Intro to Engineering Analysis	B	2	Spring 2018	
<input checked="" type="checkbox"/> Engineering Communications II	WTSN 104		Engineering Communications II	B	2	Spring 2018	

8. Next is the Major in Engineering block and the contents is dependent on your chosen major. This block lists all course requirements by semester beginning with sophomore year.



Major in Mechanical Engineering		Academic Year: 2017-2018																																																
Unmet conditions for this set of requirements:		Major GPA: 3.70																																																
<p>A minimum GPA of 2.0 is required for Mechanical Engineering classes. Your GPA is 0.00. A minimum of 30 credits are required at The Watson School. You have taken 5 but need 25 more credits.</p>																																																		
<input type="checkbox"/> 32 Credits Required in Math and Natural Science.	<table border="1"> <tr><td>CHEM 111</td><td>L</td><td>Chemical Principles (LEC)</td><td>B-</td><td>4</td><td>Fall 2017</td></tr> <tr><td>MATH 224</td><td></td><td>Differential Calculus</td><td>B-</td><td>2</td><td>Fall 2017</td></tr> <tr><td>MATH 225</td><td></td><td>Integral Calculus</td><td>C</td><td>2</td><td>Fall 2017</td></tr> <tr><td>MATH 226</td><td></td><td>Integration Tech & Application</td><td>B-</td><td>2</td><td>Spring 2018</td></tr> <tr><td>MATH 227</td><td></td><td>Infinite Series</td><td>C</td><td>2</td><td>Spring 2018</td></tr> <tr><td>MATH 324</td><td></td><td>ODE's for Scientists/Engineers</td><td>IP</td><td>(4)</td><td>Fall 2018</td></tr> <tr><td>PHYS 131</td><td>L</td><td>Gen Physics I Calc - WTSN ONLY</td><td>C</td><td>4</td><td>Spring 2018</td></tr> <tr><td>PHYS 132</td><td>L</td><td>GenPhysicsIICalcBased(LEC)WTSN</td><td>IP</td><td>(4)</td><td>Fall 2018</td></tr> </table> <p>Still Needed: 8 Credits in ASTR 114 or 115 or BIOL 113 or 114 or 115 or 311 or CHEM 107 or 108 or EECE 506 or 507 or GEOL 102 or 111 or ISE 261 or 362 or MATH 221:479 or ME 362 or 363</p>	CHEM 111	L	Chemical Principles (LEC)	B-	4	Fall 2017	MATH 224		Differential Calculus	B-	2	Fall 2017	MATH 225		Integral Calculus	C	2	Fall 2017	MATH 226		Integration Tech & Application	B-	2	Spring 2018	MATH 227		Infinite Series	C	2	Spring 2018	MATH 324		ODE's for Scientists/Engineers	IP	(4)	Fall 2018	PHYS 131	L	Gen Physics I Calc - WTSN ONLY	C	4	Spring 2018	PHYS 132	L	GenPhysicsIICalcBased(LEC)WTSN	IP	(4)	Fall 2018	
CHEM 111	L	Chemical Principles (LEC)	B-	4	Fall 2017																																													
MATH 224		Differential Calculus	B-	2	Fall 2017																																													
MATH 225		Integral Calculus	C	2	Fall 2017																																													
MATH 226		Integration Tech & Application	B-	2	Spring 2018																																													
MATH 227		Infinite Series	C	2	Spring 2018																																													
MATH 324		ODE's for Scientists/Engineers	IP	(4)	Fall 2018																																													
PHYS 131	L	Gen Physics I Calc - WTSN ONLY	C	4	Spring 2018																																													
PHYS 132	L	GenPhysicsIICalcBased(LEC)WTSN	IP	(4)	Fall 2018																																													
FALL SOPHOMORE YEAR CLASSES:																																																		
<input type="checkbox"/> Calculus III	Still Needed:	1 Class in MATH 323																																																
<input checked="" type="checkbox"/> General Physics II (with Lab)	PHYS 132	L GenPhysicsIICalcBased(LEC)WTSN IP (4) Fall 2018																																																
<input checked="" type="checkbox"/> Statics	ME 273	Statics IP (3) Fall 2018																																																
<input checked="" type="checkbox"/> Mechanical Engineering Programming	ME 212	ME Programming IP (2) Fall 2018																																																
SPRING SOPHOMORE YEAR CLASSES:																																																		
<input checked="" type="checkbox"/> ODEs for Scientists/Engineers	MATH 324	ODE's for Scientists/Engineers IP (4) Fall 2018																																																
<input type="checkbox"/> Introduction to Solid Mechanics	Still Needed:	1 Class in ME 211																																																
<input type="checkbox"/> Dynamics	Still Needed:	1 Class in ME 274																																																
<input type="checkbox"/> Circuits (with Lab)	Still Needed:	1 Class in EECE 260																																																
FALL JUNIOR YEAR CLASSES:																																																		
<input type="checkbox"/> Engineering Analysis	Still Needed:	1 Class in ME 302																																																
<input type="checkbox"/> Thermodynamics	Still Needed:	1 Class in ME 331																																																

NOTE: This is the block where you can see your Major GPA. It is located in the top right corner under the Academic Year.

9. 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					
HUM XXX	Humanities Elective		TB	4	Summer 2018
Satisfied by: AP36 - Advanced Placement EXM					
PLSC 111	Intro To Amer Politics	N	TB	4	Summer 2018
Satisfied by: AP57 - 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.

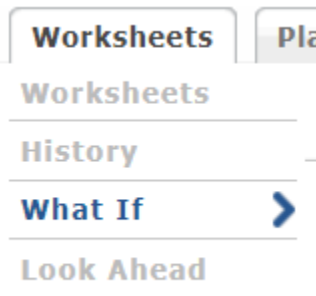
10. You can also see the courses that you are currently registered for in the In-progress block.

In-progress						Credits Applied: 16	Classes Applied: 6
CHEM 111	Chemical Principles (LEC)		IP	4	Fall 2018		
EDD 103	Engineering Communications I		IP	2	Fall 2018		
EDD 111	Intro to Engineering Design		IP	2	Fall 2018		
MATH 226	Integration Tech & Application		IP	2	Fall 2018		
MATH 227	Infinite Series		IP	2	Fall 2018		
MUS 111	Music Cultures: Far East, Asia		IP	4	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:

Select your **primary** area of study. You must select a college.
 Disclaimer: Running a What-If audit is not an official report and does not change your major.
 See your academic advising office for information on changing your major.

Academic Year: 2018-2019
 Program: (pick a Program)
 Level: (pick a Level)
 Degree: (pick a Degree)
 College: (pick a College)

Major: (pick a Major)

Select your **additional** areas of study

Program for additional areas: (pick a Program)
 Major: (pick a Major)

Chosen Areas of study

Add Remove

Choose Your Future Classes

Enter a course and click Add Course

Subject:
 Number:
 Add Course

Find

Courses you are considering

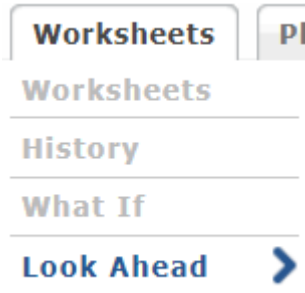
Remove Course

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 your Engineering Major. If you want to look at changing your primary major you can do that in this block as well by selecting any other program.

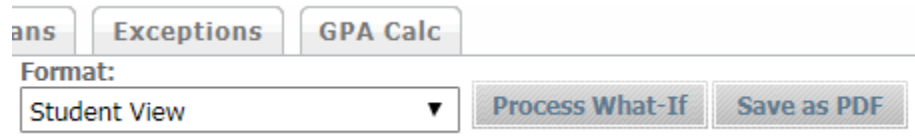
4. In the second block, you can add additional areas of study – for example if you wanted to complete a Math double major. Select both the Program and Major again and click Add.



5. The third block allows you to add specific courses (ex. Subject – PHYS, Number - 132) 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.



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.



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
Phone: 607-777-6203
Email: wtsnadv@binghamton.edu***

