

College of Science

New (2022-2023) Catalog Requirements

SHOULD YOU CHANGE TO THE NEW CATALOG

WHAT IS A CATALOG?

LONG AGO...

(in this galaxy but before you were in college) we had paper catalogs that listed all the requirements for your degree. Now these are online, but the name persists.

catalog.uah.edu

WHAT IS A CATALOG?

Your “Catalog” is the set of requirements in place when you start your degree at UAH. In Degree Works your Catalog year is listed as “Academic Year.”

The newest catalog would be labelled “2022-23” reflecting the academic year it began applying → Fall 2022 through Summer 2023.

catalog.uah.edu

The fine print:

- If a new set of requirements comes out and you like them better, you have the option to change to that catalog. You are not required to change catalogs.
- If you have a double major or dual degree, all of them must have the same catalog year. (So you can't change to the new catalog in one and not the other.)

COLLEGE OF SCIENCE CHANGES



COLLEGE OF
SCIENCE

Changes for the 2022-23 catalog that apply to

all College of Science degrees.

- ▶ 120 credits minimum (*was 128*)
- ▶ 36 credits minimum must be upper level (300 or 400 level) (*was 39*)
- ▶ 60 transfer credits maximum from 2 year schools (*was 64*)
- ▶ 30 credits minimum must be taken at UAH (*was 32*)

CONCENTRATIONS

- ▶ Concentrations are different areas of emphasis within the major.
- ▶ They may require specific Area V and major classes.
- ▶ They may also require a specific minor.
- ▶ Not all majors require a concentration.

ATMOSPHERIC & EARTH SCIENCE

Old options:

- Atmospheric Science/Meteorology
- GIS & Remote Sensing (GIS)
- Human Dimensions & Societal Impacts (HDSI)

New options:

- Atmospheric Science/Meteorology
- Earth System Science (ESS) combines GIS and HDSI concentrations

BIOLOGICAL SCIENCES

Old options:

- Biology (no concentration)
- Biochemistry
- Pre-Professional
- Ecology & Evolution
- Microbiology
- Biology with Secondary Education

New options:

- Biology (no concentration)
- Biochemistry
- Pre-Professional
- Ecology & Evolution

*Microbiology coursework is still taught.
Secondary Education in Biology is offered
through the College of Education*

CHEMISTRY

Old options:

- Chemistry (no concentration)
- Biochemistry
- Pure Chemistry
- Chemical Physics
- Environmental Chemistry
- Chemical Business
- Chemistry with Secondary Education

New options:

- Chemistry (no concentration)
- Biochemistry
- Pure Chemistry
- Chemical Physics
- Environmental Chemistry
- Chemical Business

Secondary Education in Chemistry is offered through the College of Education

COMPUTER SCIENCE

No changes to the options:

- Computer Science (no concentration)
- Data Science
- Entertainment Computing
- Web Programming

MATHEMATICAL SCIENCES

Old options:

- Mathematical Sciences (no concentration)
- Mathematical Science with Secondary Education
- Double major or Dual degree in Mathematical Sciences & another discipline

New:

- Mathematical Sciences (no concentration)

Secondary Education in Mathematics is offered through the College of Education

PHYSICS & ASTRONOMY

Old options:

- Physics (no concentration)
- Applied & Theoretical Physics
- Optics
- Astronomy & Astrophysics
- Engineering Physics
- Physics with Secondary Education

New options:

- Physics (no concentration)
- Applied & Theoretical Physics
- Optics
- Astronomy & Astrophysics

*Secondary Education in Physics is offered
through the College of Education*

YOU CAN USE DEGREE WORKS TO COMPARE CATALOGS

What is Degree Works?

Degree Auditing program

Provides degree requirements and helps you track progress towards graduation.

Degree Works "What If "Analysis

A tool that helps you explore options.

WHERE?

1. Login to my.uah.edu
2. Go to "Student Records"
3. Select "DegreeWorks"

Student Services

Registration

[Add or Drop Classes](#)

[Look Up Classes](#)

[View Holds](#)

[Registration Status](#)

[Schedule Planner \(formerly College Scheduler\)](#)

My Courses

[Class Schedule](#)

[Final Grades](#)

[Midterm Grades](#)

[Canvas](#)

[Canvas Training for Students](#)

[Student Instructor Evaluations](#)

[Student Success Center Appointments](#)

Student Records

[Personal Information](#)

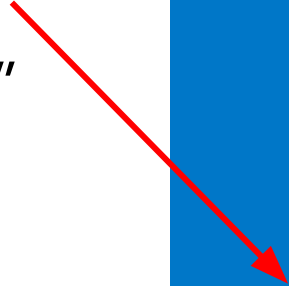
[Request Academic Transcript](#)

[View Academic Transcript](#)

[DegreeWorks](#)

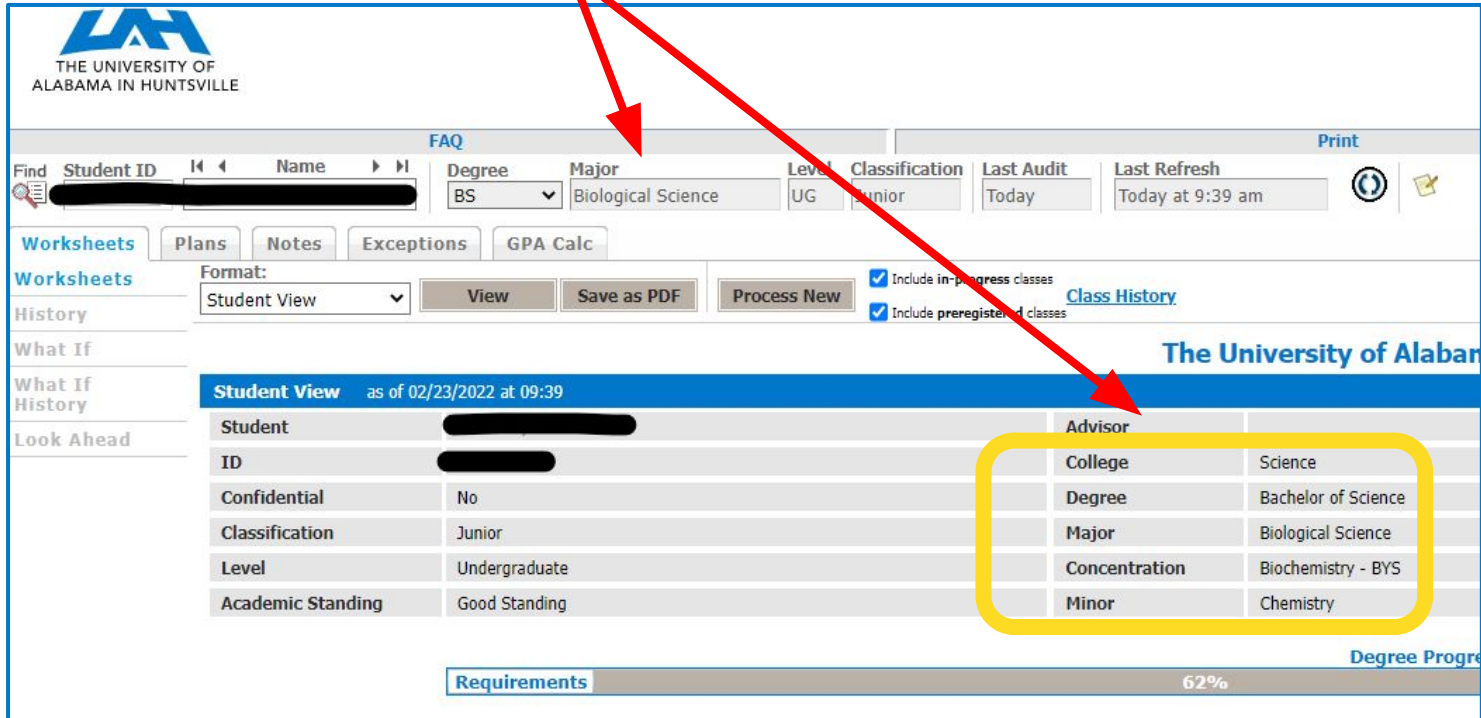
[Degree Evaluation Undergraduate \(CAPP\)](#)


[Request Enrollment Verification](#)





DEGREE WORKS

Your currently listed degree




THE UNIVERSITY OF
ALABAMA IN HUNTSVILLE

FAQ Print

Find Student ID Name Degree Major Level Classification Last Audit Last Refresh  

[Worksheets](#) [Plans](#) [Notes](#) [Exceptions](#) [GPA Calc](#)

[Worksheets](#) Format: ☒ Include in-progress classes [Class History](#)
☒ Include preregistered classes

[History](#) [What If](#) [What If History](#) [Look Ahead](#)

The University of Alabama

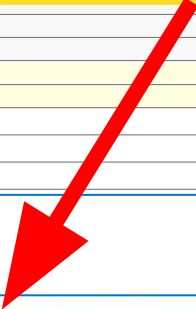
| Student View as of 02/23/2022 at 09:39 | |
|----------------------------------------|---------------------------------------|
| Student | <input type="text" value="REDACTED"/> |
| ID | <input type="text" value="REDACTED"/> |
| Confidential | No |
| Classification | Junior |
| Level | Undergraduate |
| Academic Standing | Good Standing |
| Advisor | |
| College | Science |
| Degree | Bachelor of Science |
| Major | Biological Science |
| Concentration | Biochemistry - BYS |
| Minor | Chemistry |

[Requirements](#) 62% [Degree Progress](#)

DEGREE WORKS

How to find your current catalog year (Academic Year)

| Degree in Bachelor of Science | | Academic Year: 2017-2018 | Credits Required: 128 |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------|-----------------------|
| <input checked="" type="checkbox"/> Minimum Degree Credit Hours Required | | | Credits Applied: 139 |
| <input checked="" type="checkbox"/> Minimum Credits Hours Earned at UAH | | | |
| <input checked="" type="checkbox"/> Minimum Credit Hours at the 300 Level or Above | | | |
| <input checked="" type="checkbox"/> You meet the 2.0 minimum overall GPA requirement | | | |
| <input checked="" type="checkbox"/> Charger Foundations Requirements | | | |
| <input type="checkbox"/> Area V: Pre-Professional Requirements | Still Needed: See Area V: Pre-Professional section | | |
| <input type="checkbox"/> Major Requirements | Still Needed: See Major in Computer Science section | | |
| <input type="checkbox"/> Graduation Application Not Yet Received | Still Needed: Click here for information about how and when to apply. | | |



| Academic Year: 2017-2018 | Credits Required: 128 |
|--------------------------|-----------------------|
| | Credits Applied: 139 |

DEGREE WORKS

Overall degree requirements

| Degree in Bachelor of Science | | | Academic Year: | 2017-2018 | Credits Required: | 128 |
|-------------------------------------|--------------------------------------------------|---------------|-------------------------------------------------------------------------|-----------|-------------------|-----|
| | | | | | Credits Applied: | 139 |
| <input checked="" type="checkbox"/> | Minimum Degree Credit Hours Required | | | | | |
| <input checked="" type="checkbox"/> | Minimum Credits Hours Earned at UAH | | | | | |
| <input checked="" type="checkbox"/> | Minimum Credit Hours at the 300 Level or Above | | | | | |
| <input checked="" type="checkbox"/> | You meet the 2.0 minimum overall GPA requirement | | | | | |
| <input checked="" type="checkbox"/> | Charger Foundations Requirements | | | | | |
| <input type="checkbox"/> | Area V: Pre-Professional Requirements | Still Needed: | See Area V: Pre-Professional section | | | |
| <input type="checkbox"/> | Major Requirements | Still Needed: | See Major in Computer Science section | | | |
| <input type="checkbox"/> | Graduation Application Not Yet Received | Still Needed: | Click here for information about how and when to apply. | | | |

| Degree in Bachelor of Science | |
|-------------------------------------|--------------------------------------------------|
| <input checked="" type="checkbox"/> | Minimum Degree Credit Hours Required |
| <input checked="" type="checkbox"/> | Minimum Credits Hours Earned at UAH |
| <input checked="" type="checkbox"/> | Minimum Credit Hours at the 300 Level or Above |
| <input checked="" type="checkbox"/> | You meet the 2.0 minimum overall GPA requirement |
| <input checked="" type="checkbox"/> | Charger Foundations Requirements |
| <input type="checkbox"/> | Area V: Pre-Professional Requirements |
| <input type="checkbox"/> | Major Requirements |
| <input type="checkbox"/> | Graduation Application Not Yet Received |

"WHAT IF" ANALYSIS

A no-stakes, noncommittal way for you to explore your options.

[Worksheets](#)
Worksheets
History
What If
What If History
Look Ahead

Plans

Notes

Exceptions

GPA Calc

Format:
Student View

Process What-If

☐ create PDF

☒ Include in-progress classes
☒ Include preregistered classes

Select your primary area of study

Academic Year

2022-2023

Program

BS in Computer Science

Level

Undergraduate

Degree

Bachelor of Science

College

Science

Major

Computer Science

Concentration

Data Science

Minor

Mathematics

Select your additional areas of study

Program for additional areas

(pick a Program)

Major

(pick a Major)

Concentration

(pick a Concentration)

Minor

(pick a Minor)

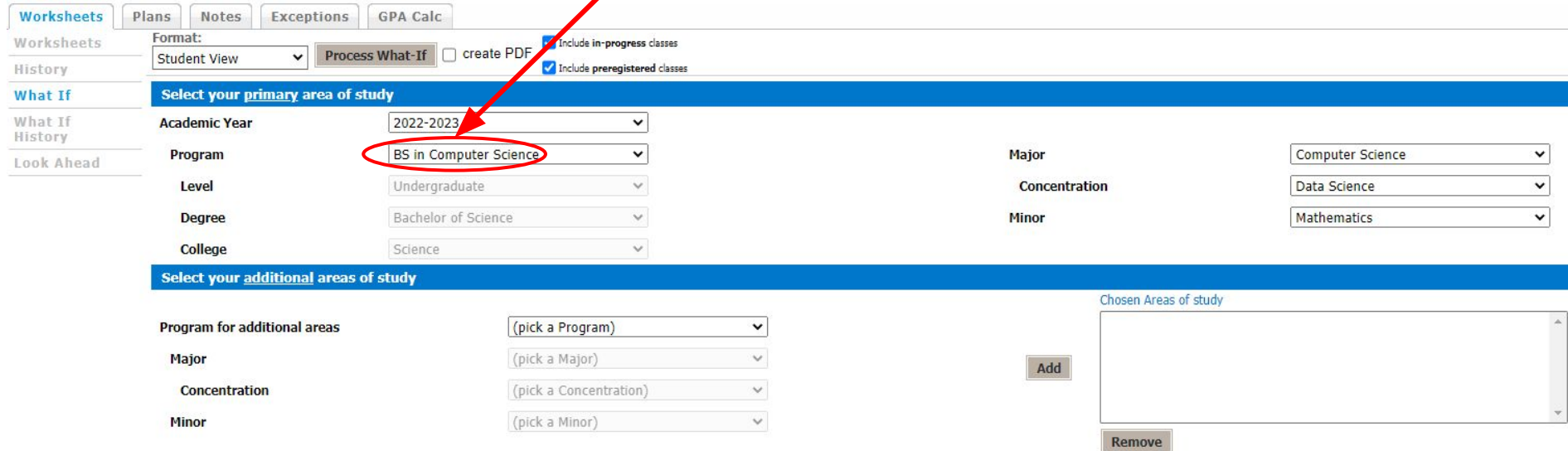
Add

Chosen Areas of study

Remove

"WHAT IF" ANALYSIS

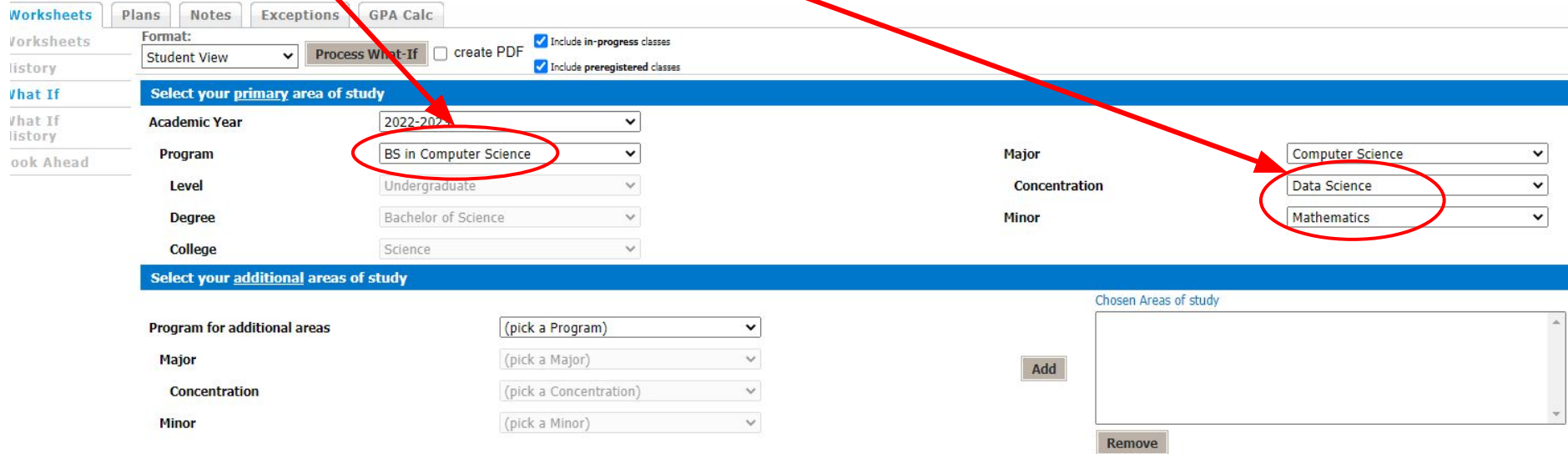
Specifying the catalog (academic year) is important. (It will default to 2022-23)



The screenshot shows the 'What If' analysis tool interface. The left sidebar contains links: Worksheets, Plans, Notes, Exceptions, GPA Calc, Worksheets, History, What If, What If History, and Look Ahead. The main area has a 'Format:' section with 'Student View' selected, a 'Process What-If' button, and checkboxes for 'create PDF', 'Include in-progress classes', and 'Include preregistered classes'. Below this is a blue header 'Select your primary area of study'. The 'Academic Year' dropdown is set to '2022-2023', the 'Program' dropdown is set to 'BS in Computer Science' (circled in red with a red arrow pointing to it), and the 'Level' dropdown is set to 'Undergraduate'. The 'Degree' dropdown is set to 'Bachelor of Science' and the 'College' dropdown is set to 'Science'. To the right, the 'Major' dropdown is set to 'Computer Science', the 'Concentration' dropdown is set to 'Data Science', and the 'Minor' dropdown is set to 'Mathematics'. Below this is another blue header 'Select your additional areas of study'. Under this header, there are four dropdowns: 'Program for additional areas' (set to '(pick a Program)'), 'Major' (set to '(pick a Major)'), 'Concentration' (set to '(pick a Concentration)'), and 'Minor' (set to '(pick a Minor)'). To the right of these dropdowns is an 'Add' button. Further right is a section titled 'Chosen Areas of study' with a large empty box and a 'Remove' button at the bottom.

"WHAT IF" ANALYSIS

Choose the major, and if desired, minor, and concentration.



Worksheets | Plans | Notes | Exceptions | GPA Calc

Format: Student View | **Process What-If** | ☐ create PDF | ☒ Include in-progress classes | ☒ Include preregistered classes

Select your primary area of study

Academic Year: 2022-2023
Program: **BS in Computer Science**
Level: Undergraduate
Degree: Bachelor of Science
College: Science

Major: Computer Science
Concentration: **Data Science**
Minor: Mathematics

Select your additional areas of study

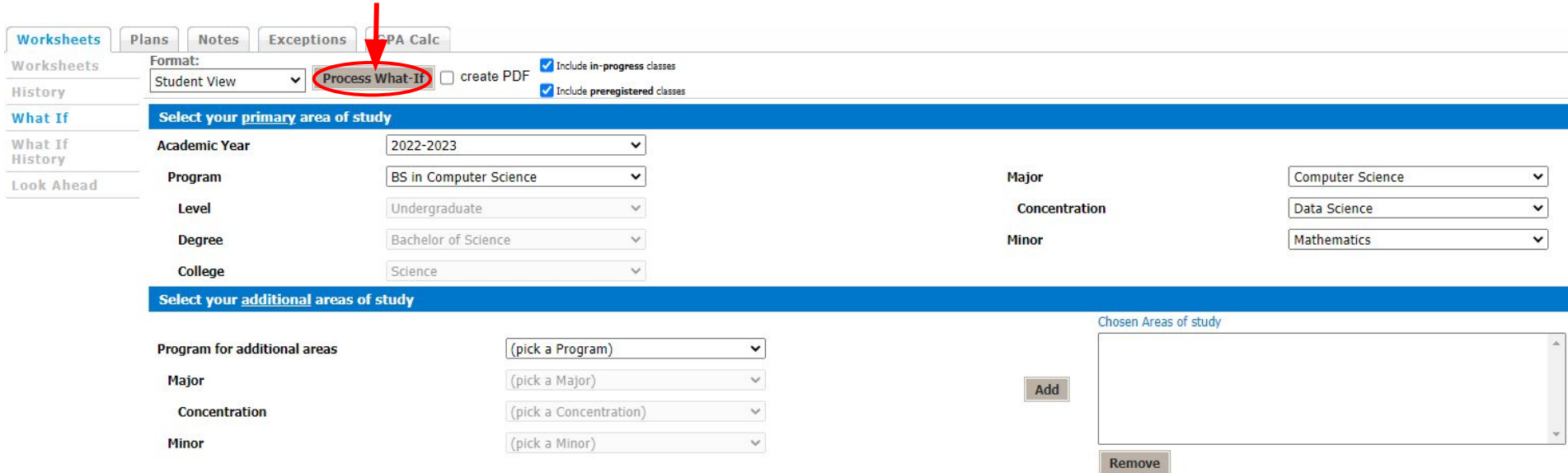
Program for additional areas: (pick a Program)
Major: (pick a Major)
Concentration: (pick a Concentration)
Minor: (pick a Minor)

Chosen Areas of study

Add Remove

"WHAT IF" ANALYSIS

Click "Process What If" to see the results



The screenshot shows the 'What If' analysis tool interface. At the top, there is a navigation bar with tabs: Worksheets, Plans, Notes, Exceptions, and GPA Calc. Below this, there is a 'Format:' section with a dropdown menu set to 'Student View' and a 'Process What-If' button circled in red. To the right of the button are checkboxes for 'Include in-progress classes' and 'Include preregistered classes'. Below the navigation bar, there is a section titled 'Select your primary area of study' with dropdown menus for Academic Year (2022-2023), Program (BS in Computer Science), Level (Undergraduate), Degree (Bachelor of Science), and College (Science). To the right of these are dropdown menus for Major (Computer Science), Concentration (Data Science), and Minor (Mathematics). Below this, there is a section titled 'Select your additional areas of study' with dropdown menus for Program for additional areas, Major, Concentration, and Minor. To the right of these is a 'Chosen Areas of study' section with an 'Add' button and a 'Remove' button.

Worksheets Plans Notes Exceptions GPA Calc

Format: Student View **Process What-If** create PDF

☒ Include in-progress classes
☒ Include preregistered classes

Select your primary area of study

Academic Year 2022-2023
Program BS in Computer Science
Level Undergraduate
Degree Bachelor of Science
College Science

Major Computer Science
Concentration Data Science
Minor Mathematics

Select your additional areas of study

Program for additional areas (pick a Program)
Major (pick a Major)
Concentration (pick a Concentration)
Minor (pick a Minor)

Chosen Areas of study

Add Remove

DEGREE WORKS

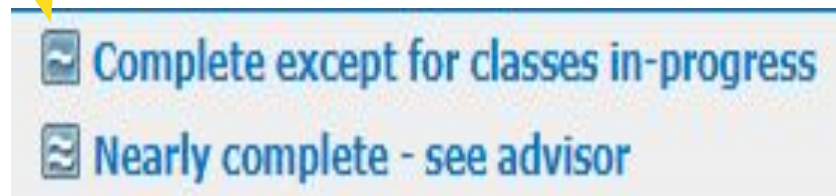
Things to remember--

Red box = TO DO

Green checkbox = DONE

Blue wave = In progress

| Legend | | | |
|----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|---------------------|--|
|  Complete |  Complete except for classes in-progress | (T) Transfer Class | |
|  Not Complete |  Nearly complete - see advisor | @ Any course number | |



QUESTIONS?

- How long do you have to make this decision?
There is no time limit, however, it could impact what you take in the next semester.
- Your current concentration is becoming inactive, what do you do?
All courses will still be taught and you can still get that degree. If you wish to remain in that concentration, you will simply stay in your current Catalog year with its requirements.
- You changed to the new Catalog but then changed your mind. Is it too late to change back?
It is not too late. You may choose a Catalog from any term that was applied while you were an active student, unless you were inactive for more a year. Contact your advisor for details.

Need more guidance?

Contact the
College of Science
Advising office

science.advising@uah.edu

ADVISORS HELP YOU UNDERSTAND YOUR DEGREE

We provide the details: Fall only course, spring only course, course sequences, information about specific concentrations, commonly chosen courses, etc. to help you make your academic decisions.

SCIENCE ADVISORS



Jennifer Bradley,
Director,
Academic Advising



Kristin Hawthorne
Pre-Health Professions
Advisor



Jenny Harvard
Sophomore Advisor



Morgan Lewis
Junior Advisor



Matthew Wilson
Senior Advisor



Michelle Brightwell
Freshman Advisor