

# MyUniTracker v1.0.1

SAMUEL HEATH

## Table of Contents

Introduction: .....	1
Key Features:.....	2
Installation: .....	2
What You Need: .....	2
How to Get It:.....	2
Step 1: Accepting the user agreement .....	3
Step 2: Choosing the one for your machine .....	3
Step 3: Installing your download and set up .....	4
Mac: .....	5
Windows .....	5
How to Use:.....	5
Adding units and assessments: .....	5
Editing and removing units and assessments: .....	6
Finalising a unit: .....	6
Adding a past result: .....	6
Conclusion:.....	6

## Introduction:

MyUniTracker is an easy to use tool that is designed to give university students an overview of their unit grades and progress semester by semester. In addition to providing students with an understanding of their performance in a unit, the application also gives useful statistics on their current GPA and WAM, as well as the GPA they can expect if they continued at that current performance. Furthermore, it also provides students with the grade they need to receive in their final exam based on what they have completed of the unit so far (this feature is most useful when all assessments have been completed and students are trying to work out their chances of receiving a pass, credit, distinction or high distinction). Once exams have finished and the final unit result has been received, that final percentage can be added into the application in order to finalise the unit and be stored as a “past unit”. GPA and WAM will change according to final unit grades completed, so a quick real time assessment of these can always be accessed.

## Key Features:

The application has common functionality a university student would want, but allows this at a simple press of the button, saving students' time they would spend tediously figuring out these measures manually.

The key features of the application include:

- Adding, editing and removing current units.
- Adding, editing and removing assessments completed (or even future assessments, to predict your grade).
- Viewing your progress in a specific unit via a graph of assessment results.
- Gives an overview of all your results and presents it in just one graph, which also shows your WAM and GPA (see next point).
- Adding past results so the app can calculate your current GPA and WAM (following how the uni does it), and predicts the future values for this based on your results for your units at that point in time.

## Installation:

### What You Need:

You will need the most recent version of this application, which can be found on my [Project page](#).

You will also need at an absolute **minimum** Java Runtime Environment 6 or up (It should work fingers crossed). If you use a Mac, they are stupid and will need you to use the Java Development Kit 6 or up (8 is preferable). Unfortunately, Apple has made it difficult to change the Runtime Environment and so I strongly recommend that you use the Java Development Kit, as it is guaranteed to work.

That's it! That's all you need.

### How to Get It:

*Mac users:* To get the Java Development Kit you can do a simple Google search for it, otherwise here is a link to the most [recent](#) (as of 21/2/17).

*Windows users:* You can also get the correct Java Runtime Environment through a Google search for the version you want (6 and up), here is a link to the most [recent](#).

## Step 1: Accepting the user agreement

You will have the option to choose a number of different sub versions of the JDK or JRE, it doesn't matter what you choose, but latest is usually the way to go.

Once you've decided which version of Java you want, accept the user agreement (seen in red) for that version and continue to the next step.

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## Step 2: Choosing the one for your machine

Once the agreement is selected you need to choose the version that will work on your machine (mostly for Windows/Other users). For Mac this step is pretty simple, (finally!) as there is only one option. However for other machines check your System Information, if you have a 64 bit computer download the version with a x64, if you have a 32 bit computer use the version with a x86.

Once you do that it's probably easier to just get the non-compressed versions to avoid an extra step.

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Step 2: Choose the download that suits your machine.

## Step 3: Installing your download and set up

Your downloaded version will have a simple installation process, and if you install it in the same location as your previous Java version it should automatically update it for you (The JDK most definitely will, hence why I recommend that). To check it has installed correctly open up Terminal (Mac) or Command Prompt (Windows), or the equivalent on other machines. Then type in `java -version` and press enter and it should tell you the current version

1.\*...- in place of the \* should be the new version you just installed e.g 1.6..., 1.7..., 1.8...

4

## Step 4: Opening the app

### Mac:

For the Mac users, this step is also simple. You will have downloaded the MyUniTracker.app.zip. So first thing first, double click the .zip and it should decompress it, resulting in what looks like a normal application. Then drag and drop the application into your *Applications* folder, where all of your other applications normally go. Then simply double click and it **should** run. If you want, save it to the Dock, so you don't need to go searching through all your Applications for it.

### Windows

Open the installer and follow the instructions. **MAKE SURE you install to the C drive or to documents.** If you select run afterwards the application will load once the installer finishes.

For all other platforms a MyUniTracker.jar binary will be available for download from the project page. To open, simply double click the MyUniTracker.jar file and it will create a file called *units* (a text file) where it stores data. If you have data already in a file called *units* make sure it is in the **same** directory as the jar file.

## How to Use:

If it is your first time using the app, you will see a summary page with nothing on it, this will later be filled with all your unit results and give you your current and expected GPA and WAM.

### Adding units and assessments:

To get started (assuming you are on the Overview tab) enter the unit code of a unit you are undertaking this semester, or coming semester (found in the Units subpanel). Then click the add unit button. This will create a new tab where you will be taken to the unit interface.

Once you have added your first unit you can start adding assessments, by using the appropriate buttons to the left of the graph.

### Editing and removing units and assessments:

To edit or remove a unit, make sure you have selected the unit you wish to modify (when adding a unit, it doesn't matter).

When editing or removing the assessments of a unit, use the selection box to choose the assessment you need to modify, and then press the respective buttons nearby to edit or remove it. Editing will open the same option pane as when adding assessments, so make the changes you need to and press save changes.

### Finalising a unit:

Once uni has sent you, your results with the percentage you received for each unit, you can then finalise the unit. To do it this way you need to have the unit in a tab then simply enter into the "Final Unit %" textbox, the mark the uni sent you for that unit and press "Finalise". This will remove that tab but add the result to your past results which can be viewed from the "Overview" tab. It will also update your current GPA and WAM to whatever value they now have.

### Adding a past result:

If you aren't starting your degree and have completed a number of units, you can add these old units via the "Overview" tab under the "Past Results" section.

This section is also how you can 'finalise' a unit if you forget to track it during semester.

### Conclusion:

This application is just a very close **estimation** of how the university works this stuff out, it may not be perfect for everyone and there may be some cases I haven't thought of, such as if you repeat a unit. I'm not an expert on this stuff but I hope this software helps you out.

If you get stuck remember the data is in a text file for a reason. You can edit it if you figure out the pattern; otherwise you might break the application. (To edit on Mac use "Show Contents", Windows open the directory where it is installed and you will see the units.txt file.)