

Scheduling Method Options In Scheduler

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As of July 12, 2021, this "Learn Veracross" site has been deprecated. It will remain live at least through October 1, 2021, but will no longer be updated. All knowledge content has moved to the new [Veracross Community](#). Please update your bookmarks.

[Here is the new version of this article in the Veracross Community.](#)

Overview

When building your school's schedule in the Veracross Scheduler, there are two ways to do this: all at once or incrementally by course classification.

Scheduling All Classes

The standard schedule builder method is to schedule your classes all at once with the constraints that have been configured. By default, the Scheduler will assume that courses marked as "AP" and "Honors" should be scheduled first, and that all other courses are of equal priority. This scheduling priority can be manually overwritten by configuring Course Classifications on the System homepage and assigning courses classifications. [Learn more about managing course classifications.](#)

The screenshot shows the Veracross Scheduler interface with a 'Customize your results' dialog box open. The dialog box contains the following text:

Customize your results

You can choose to either schedule all classes at once, or only classes that belong to courses with the selected classifications.

If choose to incrementally schedule by classification, you can continue scheduling other classes with other classifications later. For example, if you want to schedule all your AP or Singleton courses first and then schedule everything else around them, use this option.

Classifications

- All
- AP
- Honors
- Academic Course
- Academic Camp
- Athletic
- Extended Care

Run or [cancel](#)

In general, the Scheduler will use the scheduling order that's been set using course classifications, and always try to first schedule the courses that are the hardest to place within that scheduling order. For most schools, this means courses that only have one or two sections, and courses that many students

are requesting will likely be scheduled first. If no scheduling order is set using classifications, this is the way the Scheduler will determine the order in which to schedule all of your classes.

To schedule your classes all at once, click the “Build Schedule” button on the Scenarios page to build a schedule using your Active Scenario ([learn more about scenarios](#)). Select the “All” checkbox under the Classifications list on the window that opens and click “Run” to build your class schedule.

Scheduling Incrementally

The other option is to schedule incrementally by Course Classification. This allows you to schedule only courses with a specific classification and then manually review or adjust those schedules before enrolling students and scheduling additional classes. You can also schedule multiple classifications at a time if needed (e.g. AP and Honors). This option works well for schools who may want to schedule all their top priority courses first (e.g. AP, Honors or Singletons) and enroll students in them before scheduling everything else.* By doing this, schools can more easily adjust class schedules and student enrollments for a subset of their courses to make sure as many students as possible get in to the classes with the most limited availability before continuing.

**Note:* Schools who want to have courses scheduled in a specific order (e.g. AP classes scheduled first, then Honors, etc.) do not necessarily need to schedule by classification to achieve this. Instead, course classifications can be configured to tell the Scheduler in what order to automatically schedule each one. This is done by setting the Scheduler Sort Key on the classification. [Learn more about managing course classifications](#).

Scheduling the First Classification

To schedule by classification, click the “Build Schedule” button on the Scenarios page to build a schedule using your Active Scenario ([learn more about scenarios](#)). In the window that opens, uncheck the “All” box under the classification list and instead check off the classification(s) you want schedule and click “Run”. Once the Scheduler has scheduled the classes for the selected classification, you can review your schedule and make changes if needed. [Learn more about reviewing class schedules](#).

When classes in the first classification have been scheduled to your liking, you can then enroll students in to just the classifications that have been scheduled so far by clicking “Enroll” next to the Result you created.

Scheduling Additional Classifications

View Schedule

Create Duplicate Result

This result is almost done!

Classes Scheduled: 202 / 3 (6733.33%)

Course Requests Satisfied: 1 / 28 (3.57%)

Class Schedules	Student Enrollment
<p>Manage Schedule Templates</p> <p>Classes Scheduled: 202 (1 From Template)</p> <p>If you are happy with all the class schedules in the Result, you can use them as a Template for all future results in this Scenario. Doing this will replace any class schedules already in the Template Result. Click the button below to make this Result's schedules your new Template.</p> <p>You can clear the template from its Result screen.</p> <p><i>Doing this does not affect any other existing Results.</i></p> <p><input type="button" value="Use Schedules for Future Results"/></p> <hr/> <p>Schedule Classes</p> <p>If you created this result by scheduling only courses with certain classifications, you will want to finish scheduling the rest of your classes.</p> <p>Select the classifications that you still need to have scheduled and click 'Build'. If you are ready to just schedule the rest of your classes, choose 'All'.</p> <p><i>Existing schedule records in this result will be preserved in subsequent runs. Delete the ones you don't want.</i></p> <p>Classifications</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> All <input type="checkbox"/> AP <input type="checkbox"/> Honors <input type="checkbox"/> Academic Course <input type="checkbox"/> Academic Camp <input type="checkbox"/> Athletic <input type="checkbox"/> Extended Care <p><input type="button" value="Schedule Classes"/></p>	<p>Lock Enrollment Records</p> <p>Enrollment Records: 1,847 (7 Locked)</p> <p>If you like the enrollment records in this Result, you can save them for future results. Clicking this button will clear the locked enrollment records in the Template Result and replace them with the enrollment records from this Result. You can see what enrollments you have locked by activating the Template result for this Scenario.</p> <p>You can clear the template from its Result screen.</p> <p><i>Doing this does not affect any other existing Results.</i></p> <p><input type="button" value="Use Enrollments for Future Results"/></p> <hr/> <p>Enroll Students</p> <p>When you are satisfied with your class schedules, you are ready to enroll students. Click the button below to have the Scheduler attempt to automatically satisfy your course requests. Any enrollment records saved in the Template Result will be automatically copied over exactly as they are and will not be edited.</p> <p>Grade Levels</p> <p>Select the Grade Levels of the students you wish to enroll. By default, all students will be enrolled. The Scheduler always enrolls students in higher grade levels first.</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Grade 12 <input checked="" type="checkbox"/> Grade 11 <input checked="" type="checkbox"/> Grade 10 <input checked="" type="checkbox"/> Grade 9 <p>Existing Enrollment Records</p> <p>By default, any existing unlocked enrollment records in this Result will be preserved, but students may be shuffled between sections of a course. To instead clear some or all enrollments and start fresh, select one of the other options below.</p>

After you've scheduled one classification, you'll need to finish scheduling your classifications. **To continue adding on to a schedule in the same result**, click on the name of the result that you're working in from the Scenarios page. On the Results page, check the appropriate classification you wish to schedule and click "Schedule Classes". You can choose to continue incrementally scheduling by checking the course classification(s) you wish to schedule, or you can choose to schedule the rest of your classes by selecting "All". Scheduling classes again will not overwrite existing class schedules, but will schedule only those which have not been scheduled yet. After this round of classes has been scheduled, you can again review these class schedules and make adjustments before enrolling students. [Learn more about reviewing class schedules.](#)

If you continue to schedule classes incrementally using course classifications, you can optionally continue to enroll students in between each classification that is scheduled. To do this, click "Enroll" next to the Result you're working in after you've scheduled another classification.

Which is Better?

Overall, the Scheduler will probably do a better job automatically scheduling your classes with the fewest conflicts when you schedule your classes all at once. The main reason for this is that the Scheduler looks at possible student conflicts between courses (the conflict matrix) for only the courses you are scheduling during each run. When you schedule all of your classes, the Scheduler can

identify all the course combinations students are requesting, and will try to spread out all your classes accordingly.

If you instead schedule a subset of courses, the Scheduler only looks at how the courses being scheduled overlap with each other, and will spread out these classes to avoid conflicts among that single group of courses. Because the Scheduler doesn't have the full picture of all the possible student conflicts, it may unknowingly be scheduling classes in blocks that will ultimately create more conflicts than if classes had just been scheduled all at once.

That said, some schools may still prefer to schedule some classifications manually for the purpose of getting students enrolled in specific classes right away, and choose to have the Scheduler automatically build the rest of their schedule. Scheduling by classification is likely only necessary for schools who want to be more manually involved in how the Scheduler builds the class schedules.
