Student Profile: Success Progress Tab

What: The Student Profile’s Success Progress tab provides key insight into different variables that might be indicators of eventual success for the student.

Where: The Success Progress tab is located within an individual student’s profile.

Who: The information included within the Success Progress tab should help staff and faculty prepare for a conversation with the student, by providing additional information on their predictive influencers, success marker notifications, GPA trends, and credit trends.

Conditions: Parts of or the entirety of the Success Progress tab may not be available due to the user permissions set by your institution or your institution’s access to the Intelligence module. As Predictive Influencers are directly related to the predictors used to train the Student Success Predictive Model and serve to unpack the overall predicted risk level, influencers will not appear unless the SSPM has been deployed and is actively scoring students in the Navigate platform. Both the SSPM and the Predictive Influencers, as well as Success Markers, are capabilities within the Intelligence module.

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Feature Overview

The Success Progress tab provides insight into different variables that might be indicators of eventual success, including a breakdown of the overall Predicted Support Level, key course milestone completion, and academic progress and performance trends.

Predicted Influencers
Predicted Influencers are derivatives of the student success predictive model. Each *influencer* (e.g. Earned/Attempted Ratio, High School GPA, etc.) represents student variables related to performance in a given area, or *influencer category* (Performance, Progress, etc.). Each influencer is then assigned a *directionality* (positive, negative, or neutral) based on the impact the given variable has on the student's overall Predicted Support Level.

<table>
<thead>
<tr>
<th>Predicted Influencers</th>
<th>Negative Influencers</th>
<th>Neutral Influencers</th>
<th>Positive Influencers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program of Study</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Performance</td>
<td>-</td>
<td>GPA Trend</td>
<td>-0.04</td>
</tr>
<tr>
<td>Progress</td>
<td>-</td>
<td>Average Credits per Term</td>
<td>13.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Earned to Attempted Credit Ratio</td>
<td>0.87</td>
</tr>
</tbody>
</table>

|                       | Average Outcome in Major | 0.68 |
|                       | Percentile Rank in Major | 0.8  |
|                       | Cumulative GPA           | 3.56 |
|                       | Average Outcome in Credit Range credits | 129+ |
|                       | Lifetime Accumulated Credits | 123 |

Predicted Influencers provide staff and faculty with additional information regarding the student’s predicted level of support to inform conversations with students and identify potential interventions.

**Success Markers**

Success Markers are a course or group of courses selected by your institution as important to student success in a major or college/school. Success Markers on the Success Progress tab lets staff and faculty monitor if the student is successfully meeting these milestones and to be aware if it's time to intervene.

To complete a Success Marker successfully, the student must meet a minimum course grade and/or specific timing as configured by your institution.
Success Marker courses tend to be first- or second-year courses and are typically required courses in that major. In addition, a cumulative GPA threshold can also be set as a Success Marker, though these are less common.

Note. Success Markers are not intended to replace degree audits and should only be used to inform conversations with your students.

**GPA and Credit Trends by Term**

**GPA Trends by Term**

The **GPA Trends by Term** chart visualizes the student’s GPA over time. Multiple GPAs can show, including Term GPA, Cumulative GPA, and Overall GPA. Hover over each term’s data point in the line graph to view details on the GPAs.

Availability and definitions for each type of GPA varies based on the data provided by your institution. Contact your Application Administrator if you have questions about the data definitions.
Credit Trends by Term

The Credit Trends by Term chart visualizes the student’s credit accumulation over time. Different aspects of credit accumulation show including Total Earned Credits, Credits Earned each term, and Credits Attempted each term. Hover over each term’s data point in the bar chart to view details on the credits.

Both the GPA and Credit trends are displayed in tabular format at the bottom of the tab. Availability and definitions for each type of GPA varies based on the data provided by your institution. A blank section of the table indicates that no data is currently available for that student in that term.

Contact your Application Administrator should you have questions about the data definitions.
Frequently Asked Questions

- **Can I see the weight of each of the influencers in addition to the directionality?**

We do not provide the weight of influencers or predictors because the nature of our machine learning algorithm does not translate impact into meaningful numbers. Instead, our model is highly skilled at rank correlation--this means that the student with the highest sum of impact would be in the top 3 in terms of the highest success score, and the student with the lowest sum of impact would have the lowest risk score. For example, a high GPA might lead to a positive impact score of 4 for a given student. This number is totally random in terms of a real-life correlation - it does not have any units. Rather, it is just a matter of being larger or smaller; a low GPA might yield a negative impact score of -2. When compared to the impact score of a high GPA, the significance is not placed on the fact that one GPA has a value of 4 and another has a value of -2, but rather that 4 is greater than -2.

In addition, because influencers are generated on a student-by-student basis, the impact score for one student with a given variable will very likely be different than the impact score for a different student with the same variable value. As a result, we cannot provide a 'weight' for a given variable that can be universally applied to each student.

- **How do you choose which influencers appear? Can I change this list?**

The influencers that display are curated by our Data Science team or order to show variables most likely to be actionable or helpful, and excluding variables that are solely mathematical. These may differ from student to student, depending on how many credits a student has accumulated. While we do have some flexibility to configure which influencers appear, we are also limited by the predictors used in the training of your predictive model--if you did not include *Admit Code* as a data point used for training the model, it cannot be an influencer. We are also not able to amend the list of influencers on
a student-by-student basis. For specific questions around the predictors used in your model, reach out to your Strategic Leader.

- **Do Success Markers factor into the predicted risk level for a student?**

  No. Success Markers are milestones configured by each institution, not data points within the student’s academic record. They are *not* taken into consideration by the predictive model when assigning a student’s assigned risk level.