



Texas Skyward User Group Conference

Using the Auto Scheduler

Michael Jagoditsh



Future Scheduling-Using the Auto Scheduler



This session will discuss how to use the Auto Scheduler with Imperative, Pseudo, and Actual runs to schedule your students more effectively.

- Overview of the Auto Scheduler range screen
- Imperative vs. Pseudo vs. Actual
- Interpret the Scheduling Run Analysis screen

Auto Scheduler Range Screen - Imperative

Template Settings

* Template Description: **Imperative**
 Share with other users in entity 001

Schedule Generation Options

Year To Generate Schedules For: **2016-17**

Terms: **Entire Year** Terms: 01 - 06

Student Ranges

Start **End**
 * Grade/Grad Yr: **12** **2017** **09** **2020**

Low **High**
 * Student Type: **ZZZ**

Scheduling Run To Perform

Actual Scheduling Run * Number of Runs: **1**
 Imperative Conflict Run
 Pseudo Scheduling to Simulate Process

Auto Scheduler Type

.Net Scheduler

Scheduling Options

- Process Special Ed Courses
- Close Sections When Filled
- Build Free Period Matrix
 * Semester Imbalance Max: **10**
- Force Co-Requisites to Schedule All or Nothing
 - Only for flagged Co-Requisites
- Schedule Required Courses first, then Elective Courses

Creation Options

- Create Student Conflict Detail
- Include Imbalances As Conflicts

Balance By Student Attributes

Student Attributes

Select	Order	Field
<input type="checkbox"/>	0	Gender
<input type="checkbox"/>	0	Race
<input type="checkbox"/>	0	Special Education

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Auto Scheduler Range Screen - Pseudo

Template Settings

* Template Description:
 Share with other users in entity 001

Schedule Generation Options

Year To Generate Schedules For:

Terms: Terms:

Student Ranges

Start **End**
 * Grade/Grad Yr:

Low **High**
 * Student Type:

Scheduling Run To Perform

Actual Scheduling Run * Number of Runs:
 Imperative Conflict Run
 Pseudo Scheduling to Simulate Process

Auto Scheduler Type

.Net Scheduler

Scheduling Options

Process Special Ed Courses
 Close Sections When Filled
 Build Free Period Matrix
 * Semester Imbalance Max:
 Force Co-Requisites to Schedule All or Nothing
 Only for flagged Co-Requisites
 Schedule Required Courses first, then Elective Courses

Creation Options

Create Student Conflict Detail
 Include Imbalances As Conflicts

Balance By Student Attributes

Student Attributes

Select ▲	Order	Field
<input checked="" type="checkbox"/>	0	Gender
<input type="checkbox"/>	0	Race
<input type="checkbox"/>	0	Special Education

< > 3 records displayed

Auto Scheduler Range Screen - Actual

Template Settings

* Template Description:

Share with other users in entity 001

Schedule Generation Options

Year To Generate Schedules For: Terms: Terms:

Student Ranges

	Start	End
* Grade/Grad Yr:	<input type="text" value="12"/> <input type="text" value="2017"/>	<input type="text" value="09"/> <input type="text" value="2020"/>
	Low	High
* Student Type:	<input type="text"/>	<input type="text" value="ZZZ"/>

Scheduling Run To Perform

Actual Scheduling Run
 Imperative Conflict Run
 Pseudo Scheduling to Simulate Process

* Number of Runs:

Auto Scheduler Type

.Net Scheduler

Scheduling Options

Process Special Ed Courses
 Close Sections When Filled
 Build Free Period Matrix
 * Semester Imbalance Max:

Force Co-Requisites to Schedule All or Nothing
 Only for flagged Co-Requisites

Schedule Required Courses first, then Elective Courses

Creation Options

Create Student Conflict Detail
 Include Imbalances As Conflicts

Balance By Student Attributes

Student Attributes

Select	Order	Field
<input type="checkbox"/>	0	Gender
<input type="checkbox"/>	0	Race
<input type="checkbox"/>	0	Special Education

3 records displayed

Scheduling Run Analysis Screen

Available Auto Scheduling Run Records for the 2016-17 School Year

Term	Run Type	Start Date	Start Time	End Date	End Time	Str Grd	End Grd	Student Conflict Percent
YR (01-06)	Pseudo	07/07/2016	9:19 AM	07/07/2016	9:19 AM	12	09	64.5% (256/397)

Expand All Collapse All Modify Details (displaying 3 of 3) View Printable Details

▶ Run Details Student Conflict Detail Report Course Conflict Report Conflict Totals Report

▼ Totals

Grade	Total Students	Conflicts	Conflict Percent	Imbalances	Imbalance Percent
09	107	54	50.5%	0	0.0%
10	101	86	85.1%	0	0.0%
11	118	75	63.6%	0	0.0%
12	71	41	57.7%	0	0.0%
Totals	397	256	64.5%	0	0.0%

▼ Free Period Matrix

Grade: 12

DAY	TERM:	1	GRADE:	12	STUDENTS:	71					
		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-		
MON		6	1	5	13	3	9	15	35		
TUE		6	1	5	13	3	9	15	35		
WED		6	1	5	13	3	9	15	35		
THU		6	1	5	13	3	9	15	35		
FRI		6	1	5	13	3	9	15	35		
DAY	TERM:	2	GRADE:	12	STUDENTS:	71					



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THANK YOU FOR ATTENDING!

