

Degree Works Release Guide

Release 5.0.3.1
5.0.3-Service_Pack-1
March 27, 2020

Notices

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Introduction

This document discusses the Q1 2020 Degree Works Release. This release is not a “named release” so has no code name associated with it. This release is being delivered as a service pack to the DW5.0.3 release and may be referenced as 5.0.3.1, 5.0.3 SP1, 5.0.3-Service_Pack-1, or the “Q1 2020 Release”.

The central theme of Release 5.0.3.1 continues that of Release 5.0.3, the previous release. It involves the user experience - the look, feel, and navigation capabilities of our final Responsive Dashboard functional interface component, Transfer Finder.

This UI update was accomplished by using our new technology stack to support the front-end development (ReactJS). Consistency of display was accomplished by using components from the Ellucian Design System (EDS 2.0) library.

Release 5.0.3.1 Highlights

This release is a “Service Pack” release so the version has been assigned as 5.0.3.1 and it will build on the baseline established by the previous release DW5.0.3. This is still a significant release in terms of the user interface update for Transfer Finder, and it continues to build on the infrastructure introduced for Cloud delivery starting in DW5.0.0.

This release is important to install for customers who wish to take advantage of the following:

- 1) Access the Transfer Finder functionality in the Responsive Dashboard, so you now have the same modern user interface provided by this application.
- 2) Eliminate the need for deploying an external java application server (like WebLogic, or Tomcat) for the operation of Degree Works when adopting the Responsive Dashboard.

Roadmap referenced enhancements

Integrate Transfer Finder into the Responsive Dashboard user interface and add requested features.

- With the update of the Transfer Finder user interface, a consistent user experience is now provided in the Responsive Dashboard for all major components. This includes a modern design which provides a good mobile experience and conforms to accessibility guidelines.
- Selected Transfer Finder enhancements were addressed.
- Selected Transfer Finder defects were addressed.

Customer Satisfaction

Enhancements

There are other enhancements listed in the *Functional Enhancements* section of this Release Guide.

Defects

Defect repairs have also been included with this release and they are listed in the *Problem Resolutions* section.

Functionality coming in future releases

In the next release (Q3 2020) we will continue to enhance the Degree Works user interface by delivering the following components:

RESPONSIVE DASHBOARD FINANCIAL AID WORKSHEET

Now, for a point of potential confusion. If you are authorized to use this component you will find this function available on the Responsive Dashboard (because it was authorized to your user), but if you select it, you will get a notification that it is not implemented. This would be a situation where access to the prior version is essential for you to do your work.

TRANSFER EQUIVALENCY ADMIN

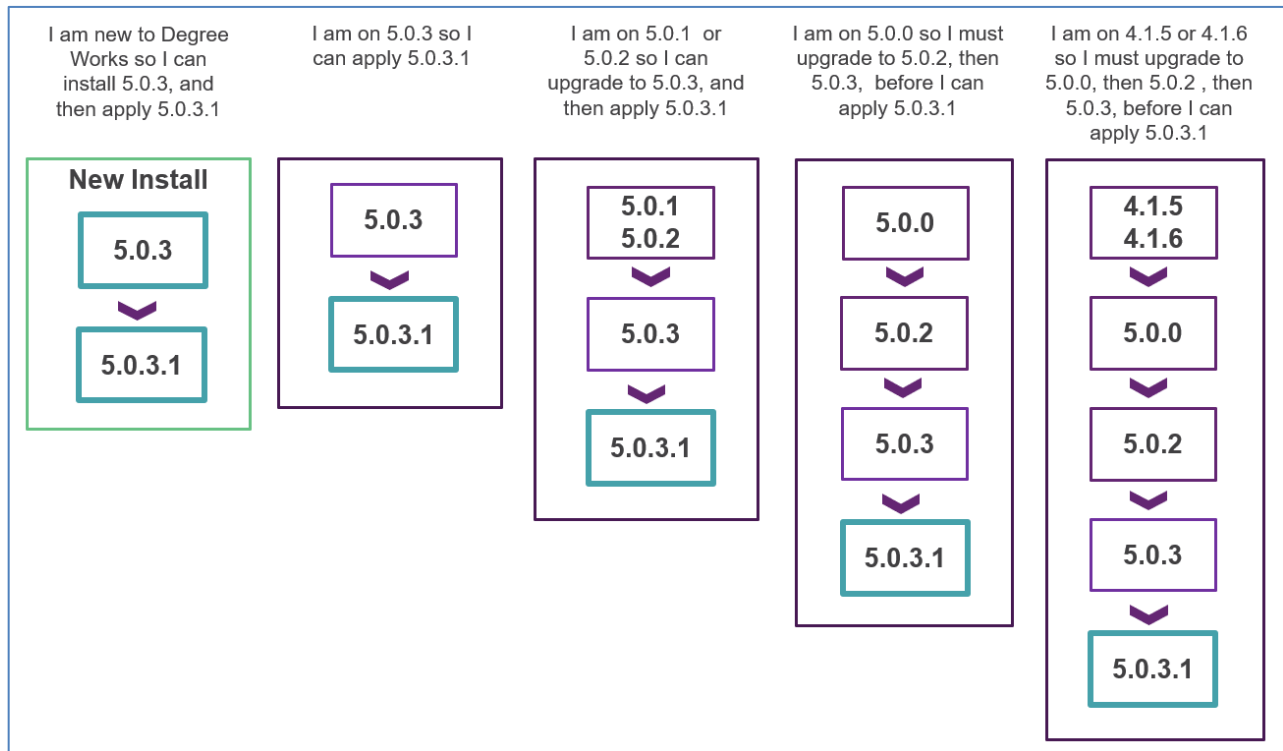
A replacement for the final Degree Works administrative application using the development tool called Adobe Flex, which is based on Adobe Flash.

Other functionality will continue to be added to the Responsive Dashboard in subsequent releases as it is prioritized. Remember that you can still use any of this functionality in the Dashboard until then.

Upgrade Path

The Degree Works 5.0.3.1 software release is being delivered as a service pack update to the 5.0.3 release.

You must be on the 5.0.3 version of Degree Works to install this release (service pack). If you are on any other version of the Degree Works software, DO NOT install this release.



Older versions require more steps to process

I am on 4.1.0 – 4.1.4 so I must upgrade to 4.1.5, 5.0.0, 502, and 5.0.3 before I can apply 5.0.3.1

Because DW 5.0.0 established a new baseline, an upgrade path has not been provided to jump from any release prior to 5.0.0 directly to 5.0.3, and consequently the 5.0.3.1 service pack. We encourage customers to stay current with releases so multiple jumps are not required when processing a new release upgrade.

Hardware and Software Requirements

Hardware and software requirements are located in the *Degree Works Installation Guide 5.0.3* under the section heading *New Installation Prerequisites and Instructions*.

Functional Enhancements with 5.0.3.1

This section highlights the functional enhancements that are delivered with the release.

API

Enhancement #	Description
CR-000171994	<p>Add cutoff term parameter to What-If API</p> <p>The What-If API can now accept a cutoff term parameter. This can be useful for customers using the API for other purposes, such as doing custom work for calculating financial aid eligibility.</p>

Responsive Dashboard

Enhancement #	Description
CR-000171343	<p>Block header data is now configurable</p> <p>Block header data showing in the worksheet is now configurable. In UCX-SCR004 there are flags for Credits required, Credits applied, Catalog year and GPA. For each block type in SCR004 you can choose to show or hide each piece of data. You can override the default value from SCR004 by adding a HeaderTag, for example, "HeaderTag CatalogYear=Hide". Placing this in one or more blocks will override the default behavior configured in SCR004. This way you can have most major blocks showing one way but also have some special major blocks showing in a different way.</p> <p>Please see the "SCR004" section of the Configuration Technical Guide for more information.</p>

Student Educational Planner (SEP4)

Enhancement #	Description
CR-000171641	<p>Add support for externally retrieving plans using the Responsive Dashboard APIs</p> <p>Support for plan APIs has been added to Responsive Dashboard, eliminating the need for clients using Responsive Dashboard to stand up StudentPlanner for other applications using Degree Works plans – i.e. Banner9 Registration.</p>

System

Enhancement #	Description
CR-000171810	<p>Reduce dependency on an application server for Degree Works applications</p> <p>To reduce Degree Works' dependency on an application server (like Tomcat or WebLogic), Scribe UI, ApplicantAPI and ServicesAPI were converted to Springboot applications, allowing them to be deployed as a standalone JAR.</p>
CR-000171993	<p>RabbitMQ 3.8 has been certified for Degree Works</p> <p>It is suggested but not required to upgrade to this version of RabbitMQ – older versions are backwards compatible with Degree Works, but version 3.7 reaches end of life on March 31, 2020.</p>

Transfer Finder

Enhancement #	Description
CR-000171992	<p>Add Transfer Finder functionality to Responsive Dashboard</p> <p>Transfer Finder has now been integrated into the Responsive Dashboard user interface. By adding this final component, a consistent user experience is now provided in the Responsive Dashboard for all the major components of the dashboard. This update gives this functionality a modern design which provides a good mobile experience and conforms to accessibility guidelines.</p>
CR-000171331	<p>Add controls for in-progress / pre-registered classes showing on the Transfer Audit</p> <p>Allow the user to select whether to include in-progress / pre-registered classes as we do other audits. This would be on the Transfer Snapshot page so the user can make the selection prior to clicking Compare.</p> <p>This functionality behaves like other audits where this is a configurable display. Checkboxes have been added by the Compare button and displayed when the enabled setting is true.</p> <pre>transferFinder.snapshot.audit.process.inprogress.defaultValue = true transferFinder.snapshot.audit.process.inprogress.enabled = true transferFinder.snapshot.audit.process.preregistered.defaultValue = true transferFinder.snapshot.audit.process.preregistered.enabled = true</pre>
CR-000171325	<p>Add support for viewing Banner course section information in Transfer Finder Find Course Equivalents</p> <p>After identifying equivalent courses with this function, we are now able retrieve associated section information for the selected course by using available Banner APIs.</p>

Problem Resolutions

Below is a summary of the defects addressed by this service pack:

Object/Process	
Audit	2
Controller	1
Planner (SEP4)	8
Responsive Dashboard	14
Security	2
System	2
Transfer Finder	4
Transit	2
TOTAL:	35

The following defects are addressed by installing this service pack:

For comprehensive and detailed problem, impacts, and resolution information for all the defects corrected in this release, please refer to the Customer Center and lookup each Change Request individually.

Defect #	Object/Process	Description
CR-000170089	Audit	Audit is returning exceptions details but student shouldn't see them in the json/xml
CR-000170331	Audit	In some circumstances the audit that is run after a refresh is missing Preregistered classes
CR-000172325	Controller	Key/group expire dates on a user/group shift to first entry
CR-000168808	Responsive Dashboard	What-if: ampersands in curriculum codes throw errors and prevent the process from working correctly
CR-000170003	Responsive Dashboard	Some Users denied access to Degree Works due to Browser cookie limit being reached - "ERR_TOO_MANY_REDIRECTS" or "Access Denied".
CR-000170550	Responsive Dashboard	CourseLeaf catalog functionality not available via CourseLink in the Responsive Dashboard
CR-000170553	Responsive Dashboard	In Progress (IP) Classes missing from audit -- this happens when SDNTERUN triggers a new audit after adding a note in Responsive Dashboard
CR-000170715	Responsive Dashboard	Backslash (\) in the audit causes JSON error and audit will not load
CR-000170732	Responsive Dashboard	Notes are chopped off when using ampersand (&)
CR-000171011	Responsive Dashboard	JSON errors in audit result if exception details from classic dashboard have carriage returns/newlines
CR-000171012	Responsive Dashboard	Exception Details text after carriage return/newline not returned in audit view

Defect #	Object/Process	Description
CR-000171314	Responsive Dashboard	Backslash (\) in the student's goal data, exception or petition data causes JSON error, preventing search from being accessed
CR-000171376	Responsive Dashboard	Student search is slow when that are many SCR002 records and many students being returned
CR-000171528	Responsive Dashboard	Audit not printing past the first page in Firefox.
CR-000171530	Responsive Dashboard	Audit not printing in correct format
CR-000171758	Responsive Dashboard	Starting in 5.0.3, Header Qualifiers not being checked off when they should
CR-000172233	Responsive Dashboard	Class History may contain classes from previous student - for adv/reg users
CR-000171097	Security	Security token should be re-authenticated when external authentication is enabled.
CR-000171797	Security	Classic code is showing the database passwords in the debug file
CR-000170247	SEP4	Minimum Grade picklist isn't sorted by grade value
CR-000170406	SEP4	When an incomplete rule has ProxyAdvice this can cause a blank screen when the user goes to Still Needed in the planner
CR-000170605	SEP4	Template grid modify date sorts by day/month/year, not year/month/day
CR-000171221	SEP4	Course searches won't work with an ampersand
CR-000171592	SEP4	DAP59 throws a fatal exception error on AIX
CR-000171771	SEP4	Users are able to lock/unlock a SEP4 Plan despite not having the SEPPLOCK key.
CR-000172154	SEP4	When a user without access to Template Management attempts to create a plan from a template, they are logged out of the Responsive Dashboard
CR-000172665	SEP4	Can't save choice requirement when Critical or Honors checked (plans and templates)
CR-000150190	System	Some specific key / password combinations may cause RabbitMQ credential verification to fail
CR-000170138	System	Starting in 5.0.1, MEP clients cannot use different passwords for the db user.
CR-000150771	Transfer Finder	One member of a repeat pair inappropriately receives a CATEGORY tag in the TF audit
CR-000152445	Transfer Finder	School Name not displayed in "Find Equivalents" section
CR-000170305	Transfer Finder	Pre-registered courses are always getting pulled into a Transfer Finder audit.
CR-000170752	Transfer Finder	Transfer Finder now shows transfer grades sorted by a new Numeric Grade field on UCX-STU398
CR-000171051	Transit	Safari users see "Invalid Date" in the "Manage your Reports" screen
CR-000171229	Transit	Missing name when batch freezing audits using DAP22 in Web Transit

Special Notes

Learning about Known Installation or Upgrade Issues

Before you install Degree Works 5.0.3.1, it would be important for you to refer to the following article at the Ellucian Customer Center which details any known issues:

<https://ellucian.force.com/clients/s/article/Degree-Works-5-0-3-Upgrade-Install-Master-Article>

The Article number is 000046338.

Look for the relevant sections referencing the 5.0.3 Service Pack 1.

The screenshot shows the Ellucian Customer Center interface. The top navigation bar is blue with the Ellucian logo and 'Customer Center' text, followed by 'RESOURCES', 'SUPPORT', and 'TOOLS'. Below the navigation bar, the article title 'Article #000046338' is displayed in a large font. The main content area is white and contains the following sections:

- Article Details**
 - Title**: Degree Works 5.0.3 Upgrade/Install Master Article
 - Summary**: This article is a central location for known issues with the 5.0.3 installation and upgrade
 - Solution Details**: This is the **Master Article** for the Degree Works 5.0.3 install and upgrade.
- Below you will find:**
 - **Important Notes**
 - **Articles**
 - **Defects**
- Revisit this Article as needed if you have questions or issues with 5.0.3.
- Release date:** December 20, 2019

WebLogic Support

If you are using the **Responsive Dashboard**, we have now eliminated the need to deploy an external java application server – so you will not be required to install any application server (WebLogic or Tomcat) to support the Degree Works java applications. This has been accomplished by embedding the application server in a standalone JAR file.

If you are **Not** using the **Responsive Dashboard**, you must still deploy an external java application server. Dashboard Servlet, Student Planner (SEP3) and Transfer Finder (TRF1) will remain as WAR files; and we have no plans to convert these applications to JAR files.

Degree Works supports Oracle 12c Release 2 (version 12.2.0.1) of the RDBMS. However, WebLogic 12.2 is not supported. There are no plans to support WebLogic 12.2.

You may be running WebLogic 12.2 to support other applications, but you may not use this instance with Degree Works. For Degree Works, you will need to install the Apache Tomcat server.

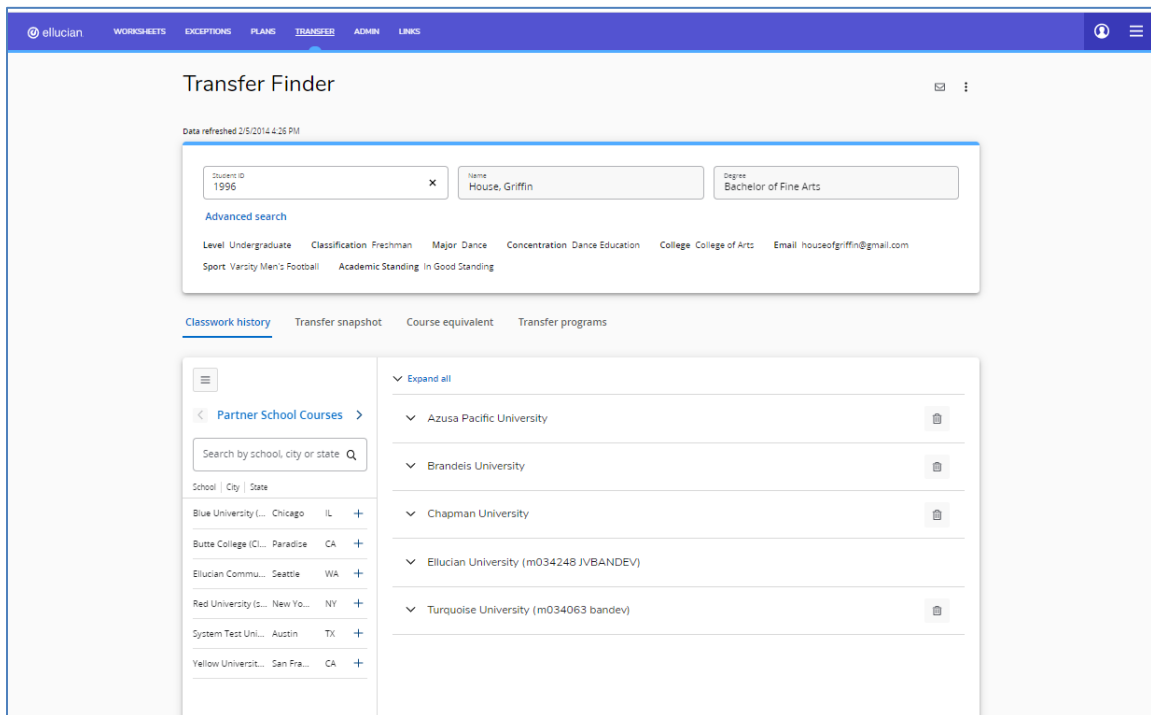
And finally, if you are using the **Transfer Equivalency Admin** application, you must still deploy an external java application server. When this application is rewritten and delivered in the next release, you will not have to do this.

Selected Screenshots

So that you can anticipate the visual changes introduced to the Transfer Finder application, here are a few screenshots of the new user interfaces delivered in this release.

Transfer Finder

Transfer Finder – Landing Page



Transfer Finder – Classwork History

Transfer Finder

Data refreshed 2/5/2014 4:26 PM

Student ID
1996
Name
House, Griffin
Degree
Bachelor of Fine Arts

Advanced search

Level Undergraduate Classification Freshman Major Dance Concentration Dance Education College College of Arts Email houseofgriffin@gmail.com
 Sport Varsity Men's Football Academic Standing In Good Standing

Classwork history Transfer snapshot Course equivalent Transfer programs

Partner School Courses

School	City	State
Blue University (...)	Chicago	IL
Butte College (Cl...)	Paradise	CA
Ellucian Commu...	Seattle	WA
Red University (...)	New Yo...	NY
System Test Uni...	Austin	TX
Yellow Universit...	San Fra...	CA

Expand all

- ▼ Azusa Pacific University
- ▼ Brandeis University
- ▲ Chapman University

GERM 1000	German I	Credits: 3.0	Grade B	Fall 2010 Glo
-----------	----------	--------------	---------	---------------

Course subject * Course number * Course title

Credits received * Type of credits * Grade received * Term *

Save
Cancel

Ellucian University (m034248 JVBANDEV)				
CULT 29535	Education in a Democratic Society's	Credits: 3.0	Grade NR	2012SPGC
DAN 17016	Studio Swing Dance I	Credits: 1.0	Grade NR	2012SPGC

Classwork history Transfer snapshot Course equivalent

Add school

- ▼ Expand all
- ▼ Azusa Pacific University
- ▼ Brandeis University
- ▲ Chapman University

GERM 1000	German I	Credits: 3.0	Grade B	Fall 2010 Global
-----------	----------	--------------	---------	------------------

+

- ▲ Ellucian University (m034248 JVBANDEV)

CULT 29535	Education in a Democratic Society's	Credits: 3.0	Grade NR	2012SPGC
DAN 17016	Studio Swing Dance I	Credits: 1.0	Grade NR	2012SPGC
DAN 17053	Principles: Dance Mechanics I	Credits: 2.0	Grade NR	2012SPGC
DAN 17151	Modern Dance Technique I-B	Credits: 3.0	Grade NR	2012SPGC
DAN 17152	Ballet I-B	Credits: 2.0	Grade NR	2012SPGC
ENG 21011	...			

Transfer Finder - Transfer Snapshot

Transfer Finder

Data refreshed 2/5/2014 4:26 PM

Student ID
1996

Name
House, Griffin

Degree
Bachelor of Fine Arts

Advanced search

Level Undergraduate
 Classification Freshman
 Major Dance
 Concentration Dance Education
 College College of Arts
 Email houseofgriffin@gmail.com
Sport Varsity Men's Football
 Academic Standing In Good Standing

[Classwork history](#)
 [Transfer snapshot](#)
 [Course equivalent](#)
 [Transfer programs](#)

My search criteria [Clear all](#)

Blue University (m019058 clgdev)
✕

Turquoise University (m034063 bandev)
✕

Academic discipline ▾

School ▴

- Blue University (m019058 clgdev)
- Ellucian Community College (m034248 JVBANREL)
- Red University (slc204087 bandev)
- System Test University (m034063 qasystst)
- Turquoise University (m034063 bandev)
- Yellow University (m019091 raddev)

Transfer path ▾

Select up to 3 programs to compare Compare

Include in-progress classes
 Include preregistered classes

Major/Program	Degree	Transfer path	Academic discipline	School ↑
<input type="checkbox"/> DW-4493 Major description in BLUE	DW-4493 Degree description in BLUE	As long as (DW-4493)	Art/Art Studies, General	Blue University (m019058 clgdev)
<input checked="" type="checkbox"/> QA Biology - Blue	Bachelor of Science - Blue	Sciences	Biology/Biological Sciences, General	Blue University (m019058 clgdev)
<input type="checkbox"/> QA English - Blue	Bachelor of Arts - Blue	Arts	Art/Art Studies, General	Blue University (m019058 clgdev)
<input type="checkbox"/> QA Math - Blue	Bachelor of Science - Blue	Sciences	Chemistry, General	Blue University (m019058 clgdev)
<input checked="" type="checkbox"/> Biology - Turquoise	Bachelor of Science - Turquoise	Biology	Art/Art Studies, General	Turquoise University (m034063 bandev)
<input type="checkbox"/> History of the Arts - Turquoise	Bachelor of Arts - Turquoise	History	Ancient Studies / Civilization	Turquoise University (m034063 bandev)
<input type="checkbox"/> QA Biology - Turquoise	Bachelor of Science - Turquoise	Sciences	Biology/Biological Sciences, General	Turquoise University (m034063 bandev)
<input type="checkbox"/> QA English - Turquoise	Bachelor of Arts - Turquoise	English	QQ QA Category	Turquoise University (m034063 bandev)

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Transfer Finder – Transfer Snapshot (Compare)

Transfer Finder

Data refreshed 2/5/2014 4:26 PM

Student ID: 1996 | Name: House, Griffin | Degree: Bachelor of Fine Arts

Advanced search

Level: Undergraduate | Classification: Freshman | Major: Dance | Concentration: Dance Education | College: College of Arts | Email: houseofgriffin@gmail.com

Sport: Varsity Men's Football | Academic Standing: In Good Standing

Classwork history | **Transfer snapshot** | Course equivalent | Transfer programs

[Back to program search](#)

Blue University (m019058 clgdev)

Degree: Bachelor of Science - Blue
Program/Major: QA Biology - Blue

Degree Progress

Requirements: 24% | Credits: 14%

[View transfer detail](#)

Turquoise University (m034063 bandev)

Degree: Bachelor of Science - Turquoise
Program/Major: Biology - Turquoise

Degree Progress

Requirements: 13% | Credits: 8%

[View transfer detail](#)

Transfer Finder – Snapshot (Articulation/Audit)

Transfer Finder

🖨️ ✉️ ⋮

Data refreshed 2/5/2014 4:26 PM

Student ID

1996 ✕

Name

House, Griffin

Degree

Bachelor of Fine Arts

Advanced search

Level Undergraduate
 Classification Freshman
 Major Dance
 Concentration Dance Education
 College College of Arts
 Email houseofgriffin@gmail.com

Sport Varsity Men's Football
 Academic Standing In Good Standing

[Classwork history](#)
[Transfer snapshot](#)
[Course equivalent](#)
[Transfer programs](#)

[Back to Transfer Audit summary](#)

Blue University (m019058 clgdev)

Degree Bachelor of Science - Blue
Program/Major QA Biology - Blue

Degree Progress

24%

Requirements

14%

Credits

[Find a transfer advisor](#)
[Apply now](#)

Course equivalencies Collapse all ^

Ellucian University (m034248 JVBANDEV) ^

Status ⓘ	Course	Course title	Credits	Grade	Term
	DAN 17050	Introduction to Dance	1	B	Fall 2012 Global
EQUIVALENT TO	DANC 101B	Intro to Dance - Blue	4	B	
	GEOL 11040	Earth Dynamics	3	A	Fall 2012 Global
EQUIVALENT TO	ELEC 100	Insufficient grade - no credit awarded	3	A	

Transfer Finder – Course Equivalent

The image shows a screenshot of the 'Transfer Finder' application. The main interface is titled 'Transfer Finder' and includes a search bar with the following fields: Student ID (1996), Name (House, Griffin), and Degree (Bachelor of Fine Arts). Below the search bar, there are tabs for 'Classwork history', 'Transfer snapshot', 'Course equivalent', and 'Transfer programs'. The 'Course equivalent' tab is active, showing a search for 'MATH 101' at 'Ellucian University (m034248JV BANDEV)'. The search results list several courses with their respective schools and details:

Course	School
ACCT 2 and HIST 101	QQ Butte Col
A minimum of 4.0 credits is needed for ACCT 2. A maximum of 5.0 credits is allowed for ACCT 2. Credits allowed for HIST 101, ACCT 2251, COMM 7303, MATH 101, and ARAB 240 may all be satisfied.	
CPCA 569	000003
ART 106	000003
YAADD 103	1004834
MATH 101 and MATH 103	Brandeis Uni
JLV 101	Seattle Unive
GR11 12	Test Scores

An overlay window titled 'Transfer Finder' is shown in the foreground, displaying a detailed view of 'ACCT 2 - Butte College (Class schedule test school)'. This window includes a table with the following columns: Term, Course ID, Title, Meets, At, and Availability.

Term	Course ID	Title	Meets	At	Availability
Jan's 202002	17860	Jan's ACCT 2		Main	499 seats
Jan's 202001	17856	Jan's ACCT 2		Main	1 seats
Jan's 202001	17855	Jan's ACCT 2		Main	1998 seats
Jan's 202002	17857	Jan's ACCT 2		Main	11 seats
Jan's 202002	17859	Jan's ACCT 2		Main	20 seats
Jan's 202002	17858	Jan's ACCT 2		Main	18 seats

The overlay window also features a 'Back' button and a 'Conditions' dropdown menu.

Documentation

The following documentation resources are provided in support of release 5.0.3.1 and are delivered in PDF format. They are in the documentation libraries at the Ellucian Customer Center.

Release Documentation

Ellucian Customer Center – Title
Degree Works Release Guide 5.0.3.1
Degree Works RabbitMQ Installation Guide 5.0.3.1

Administration Documentation

Ellucian Customer Center – Title
Degree Works Responsive Dashboard Administration Guide 5.0.3.1
Degree Works Scribe Administration Guide 5.0.3.1
Degree Works Transfer Equivalency Self-Service Administration Guide 5.0.3.1
Degree Works Transfer Finder Administration Guide 5.0.3.1

Technical Documentation

Ellucian Customer Center – Title
Degree Works Configuration Technical Guide 5.0.3.1
Degree Works Technical Guide 5.0.3.1

User Documentation

Ellucian Customer Center – Title
Degree Works Scribe Language User Guide 5.0.3.1

API Documentation

Note that documentation for all the Degree Works APIs is not delivered with the other documents at the Customer Center but is located separately from those delivered in PDF format.

Documentation not delivered for the 5.0.3.1 release

If the Degree Works document was not listed above, then no changes occurred, so the version delivered with the 5.0.3 release and available at the Ellucian Customer Center is still relevant to this software update.

Database Changes

The Degree Works 5.0.3.1 release contains NO changes to the database.

Please review the *Degree Works Schema* file delivered in 5.0.3 if you require more detailed information about the current database.

Configuration Considerations

The Degree Works 5.0.3.1 release requires customers to make manual modifications to several areas of the product.

These areas are outlined in the *Degree Works 5.0.3-Service_Pack-1_Readme.pdf* file which can be found at the Customer Center, in the Degree Works Downloads area for this release.