

2018 Workshop



CALIFORNIA COMMUNITY COLLEGES

**Meta Majors, Guided Pathways
& The CCCApply Administrator**

CCCApply



CCCApply

Online Application for Admission



Welcome

Part 1: Meta Majors & Guided Pathways at
Bakersfield College

Craig Hayward

Michelle Pena

Part 2:

- Upgrade CCCApply Administrator
- New Majors Filters - Category & Education Goal Alignment Filter
- Development, Release & Roadmap

Patty Donohue



Majors in CCCApply

On average, our colleges display 115 different majors in CCCApply

Clustering or grouping majors into

- Communities of Interest
- Career Clusters or
- Meta Majors

can provide a **clear pathway to graduation** or transfer and can help them make connections between their studies and different career choices.



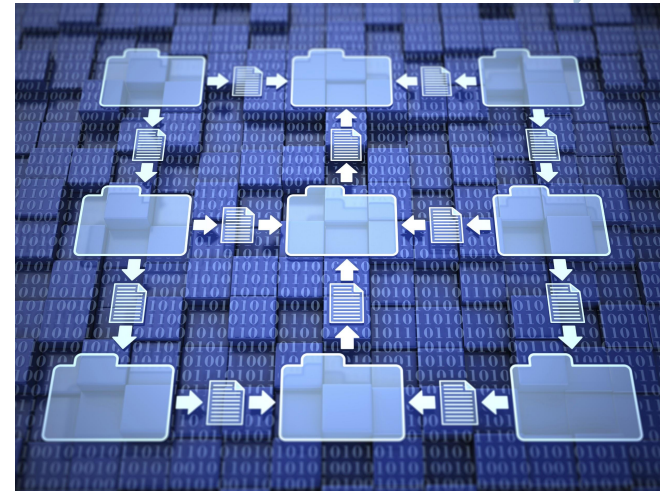
CCCAPPLY



New CCC Administrator

One centralized admin configuration tool for all secure web applications

- Single point-of-entry for all admin tools
New SHORT URL
- Global landing page to launch all CCC Tech Center admin tools
- Delivers secure SSO authentication
- MIS and system administration authorization
- Enhanced roles and permissions
- Same user base - same user accounts
- **CCCApply Admin launched from this system**





CCCApply Administrator Upgrade

**Upgrade from Php-based technology
to Java-based, spring boot, functionality**

- First version - feature parity
- Enhanced Majors Module - New Filters
- Enhanced navigation & authorization
- New spam filter user interface
- Re-architected to share common data sets and features (Terms & Majors, Rules & Messages) between Standard and International applications



Orange Coast College

Orange Coast College ▾

CCCApply

Terms

Majors

Rules

Messages

Supplemental Questions

Utilities ▾



Select a module to manage

New CCCApply Administrator





CCCApply Admin Modules

- Terms
- Majors
- Rules & Messages
- Supplemental Questions
- English Proficiency (International)
- Utilities
 - Reset Downloads
 - Spam Filter UI

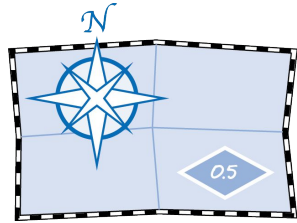




Enhancements to the Majors Module

Improved functionality for Majors in Apply & International

- Two new filters to customize and categorize Majors
- **Major Category Filter**
Control display of Majors with new Category filter
- **Education Goal Filter**
Control display of Majors based on student's education goal response
- Combine filters for more refined categorization
- Fixed bugs in current display of Majors (alphabetical order)





Major Category Filter

College can create an unlimited number of custom categories

- Creating one or more categories triggers display in the application
- “Major Category” menu appears between Ed Goal and Intended Major menus



Student selects a “Major Category” > displays only those majors in alpha order

A major can be aligned to more than one category

Major Category field will be added to download client & report center



Major Category Menu

EL CAMINO COLLEGE
COMPTON CENTER

Welcome Patricia Donohue CCCID: AAA0071 [Sign Out](#) [My Applications](#) [Help](#)

[Cambiar A Español](#)

Enrollment Information

Introduction ✓

Enrollment Information >

Account/Mailing Information

Demographic Information

Education

Citizenship/Military

Residency

Needs & Interests

Supplemental Questions

Consent

Review Application

Submission

Enrollment Information for Compton CCD

Term Applying For
Fall Semester 2014 (08/22/2014 to 12/31/2019)

Educational Goal
Obtain a 2-year associate degree without transfer

Major Category
Art History

Intended Major or Program of Study
Art History 1B

[Save](#) [Continue](#)

New “Major Category” menu displays custom categories defined by college

Majors are aligned to each category in the Administrator and display in the “Intended Major” menu based on category selected.



Taft College

Taft College

CCCApply

Terms

Majors

Rules

Messages

Supplemental Questions

Utilities ▾

Majors

Note: The order of the majors here is NOT the order in which the majors display to the student applying

Import Majors

Export Majors

Add Major

<input type="checkbox"/>	Major Description	Categories	Award Type	Program Co...	TOP Code	Start Date	End Date	Actions
<input type="checkbox"/>	BA Music Theory	+	None			08/30/1963	05/25/2099	
<input type="checkbox"/>	BS Molecular Biology		None			08/31/1963	05/26/2099	
<input type="checkbox"/>	MA Photography		None			08/31/1963	05/26/2099	

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Taft College

Taft College ▾

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[Utilities ▾](#)

Majors

Note: The order of the majors here is NOT the order in which the majors display to the student applying

[Import Majors](#)

[Export Majors](#)

[Add Major](#)

<input type="checkbox"/>	Major Description	Categories	Award Type	Program Co...	TOP Code	Start Date	End Date	Actions
<input type="checkbox"/>	BA Music Theory		None			08/31/1963	05/26/2099	✎ 📄
<input type="checkbox"/>	BS Molecular Biology		None			08/31/1963	05/26/2099	✎ 📄
<input type="checkbox"/>	MA Photography		None			08/31/1963	05/26/2099	✎ 📄

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Importing Majors with Category & Ed Goal Filters

application	code	description	category	topCode	programControlNumber	awardType	cipCode	eduGoals	start	end	created
APPLY	42102	BA Spanish				None			1963-09-01	2099-05-27	
APPLY	42103	MA Photography	category			None			1963-09-01	2099-05-27	
APPLY	42101	BA Cinematography				None			1963-08-30	2099-05-25	
			english,math,photography								



Education Goal Alignment Filter

College can align majors to one or more Education Goals

- Student selects Ed Goal first
- All majors aligned to ed goa display in the M
- Control display of Majors with new Category filter
- Control display of Majors based on student's education goal response
- Combine filters for more refined categorization

Edit Major for: Taft College

* denotes required field

Major Description * Major Code *

Major Start Date * Major End Date *

Major has no end date

TOP Code Program Control #

Categories CIP Code

Add category

Award Type
(Not specified)

Education Goals (select all that apply)

- Obtain an associate degree and transfer to a 4-year institution
- Transfer to a 4-year institution without an associate degree
- Obtain a 2-year associate degree without transfer
- Earn a career technical certificate without transfer
- Discover/formulate career interests, plans, goals
- Prepare for a new career (acquire job skills)
- Advance in current job/career (update job skills)
- Maintain certificate or license
- Educational development

Award Type

(Not specified)

Education Goals (select all that apply)

- Obtain an associate degree and transfer to a 4-year institution
- Transfer to a 4-year institution without an associate degree
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- Advance in current job/career (update job skills)
- Maintain certificate or license
- Educational development

Align each major to one or more Education Goals
to filter majors in student-facing application

Cancel

Save

Last updated at 03/08/2018 03:11 PM.



Taft College

Taft College ▾

CCCApply

Terms

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Utilities ▾

E

Majors

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Using the Category & Ed Goal Filters Together

Filtering majors by Major Category & Ed Goal alignment provides even further customization

- a. If a major is aligned to both filters:
 - i. The category menu will display categories of majors aligned by education goal
 - ii. The Intended Majors menu will display majors filtered by the category that align to the education goal



Spam Filter User Interface

Filtering majors by Major Category & Ed Goal alignment provides even further customization

- a. If a major is aligned to both filters:
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Spam Filter Web Service Process

Part 1: Application Submission Process

1. Application is submitted to Apply
2. Application is stored with the fraud status flag set to PENDING
3. Application is posted to a prediction service where model is applied
4. Prediction service returns a probability rating that an app is fraudulent or not.
5. Based on probability rating, the fraud status flag is updated with “Checked Fraud” or “Not Checked Fraud”
6. Applications set with “Checked Fraud” are sent to the Suspension folder awaiting confirmation by A&R Staff



Spam Filter Web Service Process

Part 2: Spam Filter User Interface

1. College staff monitor suspension folder via user interface in CCCApply Administrator
2. Suspended applications are reviewed by college staff for confirmation
3. College staff make the final determination: Fraud or Not Fraud
4. If “Fraud” - Then fraud status flag changed to “Confirmed Fraud”
5. If “Not Fraud” - Then fraud status flag changed to “Confirmed NOT Fraud”
6. “Confirmed Fraud” flag calls Apply Spam API
7. Applications that are NOT fraud are sent immediately to the Download Client
8. Confirmed Fraud/NOT Fraud applications are passed back to the ML model for continuous learning



Spam Filter

Find an application:



Confirm Spam

Mark as Valid

<input type="checkbox"/>	App Id	Submitted On	CCCID	Last Name	DOB	Email Address	Confid...	Actions
<input type="checkbox"/>	ca633...	12/31/1969	4914a...	Mante	12/31/1969	Marlen.Gibson98@hotmail.com	11	
<input type="checkbox"/>	5715f1...	12/31/1969	6227d...	Ankunding	12/31/1969	Elmo_Jones9@yahoo.com	1	
<input type="checkbox"/>	d18ba...	12/31/1969	704f9...	Johnston	12/31/1969	Mac_Klein43@gmail.com	70	
<input type="checkbox"/>	d853a...	12/31/1969	ecd6e...	Ondricka	12/31/1969	Hassie.Wolff73@gmail.com	56	
<input type="checkbox"/>	d8eed...	12/31/1969	669bc...	Hickle	12/31/1969	Enrico90@yahoo.com	59	
<input type="checkbox"/>	1cecd3...	12/31/1969	9ea7b...	Purdy	12/31/1969	Devan_Eichmann64@yahoo.com	80	
<input type="checkbox"/>	36b3e...	12/31/1969	94d57...	Koelpin	12/31/1969	Sallie_Emmerich51@yahoo.com	33	
<input type="checkbox"/>	e4ae8...	12/31/1969	1bb07...	Considine	12/31/1969	Dallas11@yahoo.com	63	
<input type="checkbox"/>	8a0a7...	12/31/1969	f986d...	Hilpert	12/31/1969	Bonnie_Cronin@hotmail.com	62	
<input type="checkbox"/>	6b6c4...	12/31/1969	bfc166...	Hudson	12/31/1969	Suzanne3@gmail.com	79	

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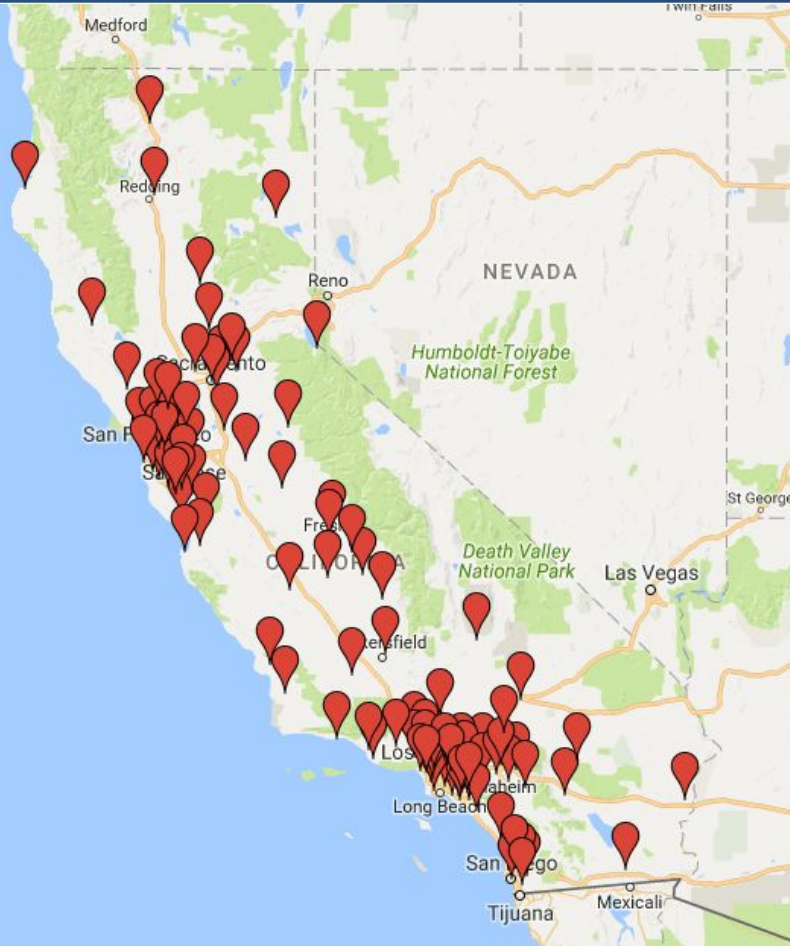


Migration to New Administrator

CCCApply will migrate all college data settings over to new Administrator

Colleges should:

- a. Review current terms, majors, supp questions, rules & messages for accuracy and validity
- b. Ensure Terms are created for 2018-2019 terms as back-up
- c. Export copy of all settings for back-up



Integration & Implementation

1. CCCApply will ETL all existing staff users accounts to new system
2. Colleges must:
 - a. **Ensure Shibboleth is upgraded to latest version** (or other compliant SAML IdP)
 - b. Integrate college/district IdP with **Proxy**
 - c. **Test** new Administrator URLs in Pilot Environment
 - d. Test new URLs in Production
3. Colleges should:
 - a. Complete training on new Spam Filter user interface
 - b. Setup new Majors filters (optional)



SSO Proxy

College integration with the OpenCCC Federated Identity

- Facilitates existing students to create OpenCCC accounts (CCCID)
- Streamlines integration of staff tools and applications
- Does NOT trigger the OpenCCC redirect for staff
Admin URL is whitelisted



CALIFORNIA COMMUNITY COLLEGES

Unable to Locate Your Information

We need your OpenCCC Account statewide student identifier (CCCID).

To continue to a California Community College secure web application, **please sign in, or create your new account.**

Sign In Forgot?

Username

Password

[Sign In](#)

[Create a New Account](#)

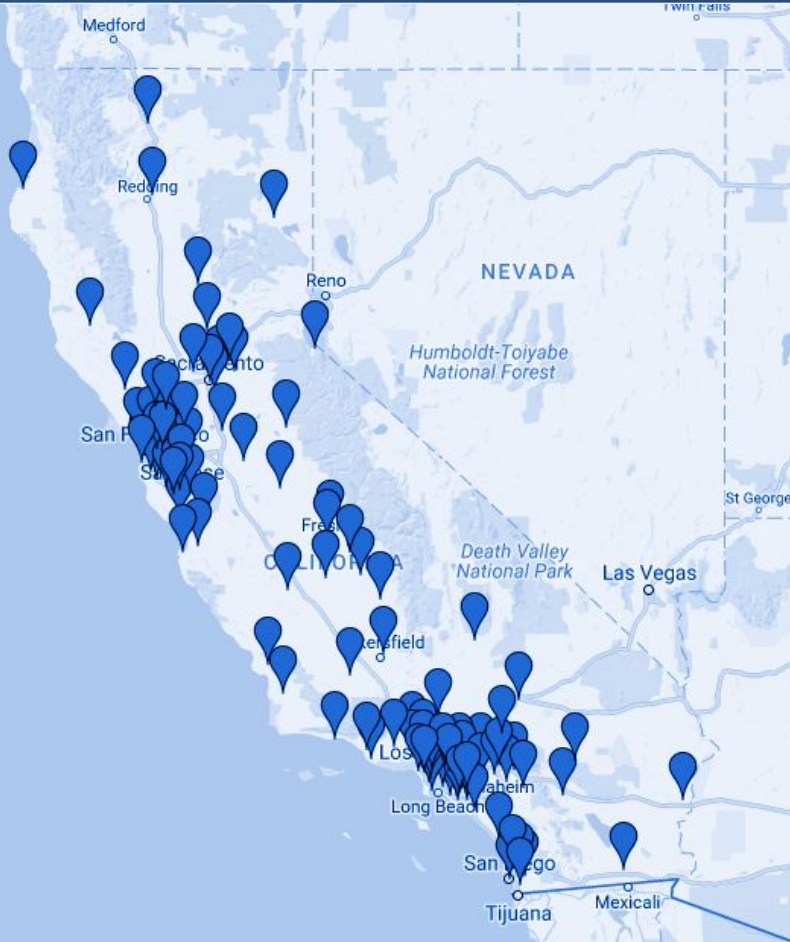
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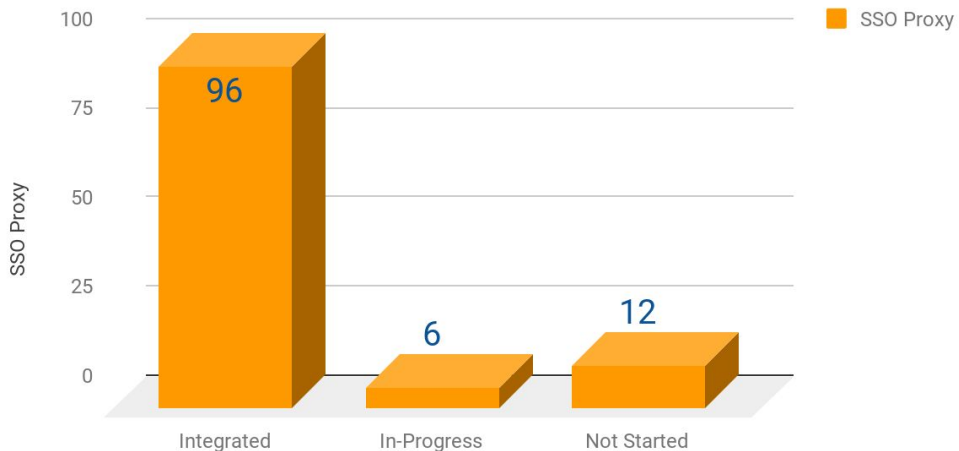
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Proxy Integration Project



Final 12 colleges working on Proxy integration

90 colleges using Shibboleth

8 colleges using Portal Guard

10 colleges using ADFS



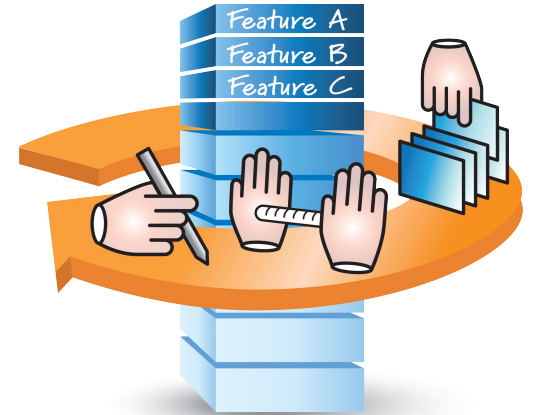
New Administrators

Under-Development

- CCCApply Administrator system upgrade
- Launched from new CCC Administrator
- Final phase of spam filter web service API and User interface integration into Administrator
- Enhancing Download Client for fraud status flag

Future Administrator Enhancements

- New Supplemental Questions module, Rules engine
- Email notifications to colleges to monitor filter
- Filter interface adjustments





New Administrator Release Timeline

Release 6.2.0 Scope

Usually our CCCApply Annual Update

- CCCApply Administrator Upgrade
- Majors Filters
- Spam filter web service API
- Machine learning model

Pilot Release - 30 Day Preview & Training - May 23

Production Release - June 23, 2018





Support

Product Management:

Patricia Donohue pdonohue@ccctechcenter.org

Implementation Support / Enabling Services

Michael Rajkumar, mrajkumar@ccctechcenter.org

College Support: Merrie Wales, mwales@ccctechcenter.org

OpenCCC Help Desk: support@openccc.net



