



PROCESSING
TRANSCRIPTS & MORE
IN HIGHER EDUCATION
WITH



IRIS.
A CANON COMPANY

Educational institutions rely heavily on process automation. Studies estimate between 60-80% of colleges and universities are currently using some form of automation in their operations. These can range from basic administrative tasks like payroll and registration to more complex systems like learning management platforms, or even student analytics tools. Automation in colleges is becoming increasingly common as institutions look to streamline their operations, reduce costs, and improve efficiency. Most importantly, what are areas that still need help?

One issue, most higher education operations struggle with, comes from the documents they still receive. Documents will always be around and while many processes moved completely towards automation, successful processing of documents can be challenging or even overlooked. This is mostly due to platforms using weak image processing, incomplete OCR capture platforms, or time-consuming project updating.

IRIS solutions provide automatic data extraction from all kinds of documents (from transcripts to invoices). Our technology offers processing of any document in a faster, more efficient, way. Tasks such as digitizing student records, automating the grading of exams, improving accessibility for students with disabilities, and more are just the start! IRISXtract™ and IRIS Powerscan™ will accelerate your processes with improving accuracy, saving time, allowing your institution to streamline administrative processes and reduce paperwork.



Template-Free approach: accurate extraction of data matching with or without database synchronization.



Works with all High School, Military, International school, community college or any other type of transfer credit transcripts

COMMON HIGHER EDUCATION SOLUTIONS

STILL STRUGLING WITH PAPERS, FORMS, AND OTHER DOCUMENTS:



Student Records



Registrar's Office
(Transcripts)



Financial Aid
FAFSA docs
Tax Records



Endowments
Investments
Bursary



Human Resources
Faculty Management



Contracts



Alumni Donations
Redacted Records



Accounts Payable



IRIS education solutions remove the manual tasks from your current process

IMAGE PROCESSING

Stubborn documents (especially transcripts) in higher education can come with layers of overlapping text, decorations, logos/images, and watermarks. This can lead to many of the frustrating issues that interrupt your processes. You are going to need something better than a standard OCR extraction. By utilizing the power of IRIS image processing technology, documents can get cleaned up allowing IRIS to extract everything necessary, all while still exporting the original colored (unprocessed) image.

university appears in small letters across the face of this 8 1/2" X 11" document

Prefix & Course Number	Course Title	Units	Grade	Credit Earned	Credit for GPA	Prerequisites
Attn: Admissions Unity College 90 Quaker Hill Road Unity, ME 04988						
CLAST M 997 R 997 W 997 E 97 03/25/00						
UNIVERSITY OF FLORIDA 2000 SPRING						
COLLEGE LEVEL ACADEMIC SKILLS TEST COMPLETE BY ALTERNATIVE METHOD						
CREDIT BY EXAM - ADV PLACEMENT 2000 FALL						
AML 2070	ENGLISH LIT/COMP	P	3.00	3.00		
EARNED HRS	3.00	GRADE PTS	.0	HRS CARRIED	.00	
UNIVERSITY OF FLORIDA 1LS 2000 FALL						
CHM 2040	INTRO GEN CHEMISTRY	D	3.00	3.00	3.00	
MAC 2311	ANALYT GSEM & CALC 1	R D+	4.00	4.00	4.00	
MUL 2010	INTRO TO MUSIC LIT	A	3.00	3.00	3.00	
SLS 1102	EMPHAS FRESHMAN EXPR	A	1.00	1.00	1.00	
SYG 2430	MARRIAGE AND FAMILY	C	3.00	3.00	3.00	
EARNED HRS	10.00	GRADE PTS	31.00	HRS CARRIED	14.00	
UNIVERSITY OF FLORIDA 1LS 2001 SPRING						
BSC 2010	INTEGRA PRINC BIOL 1	C	3.00	3.00	3.00	
BSC 2011	L INTEG PRIN BIOL 1 LAB	A	1.00	1.00	1.00	
CHM 2045	GENERAL CHEMISTRY	C+	3.00	3.00	3.00	
CHM 2045 L	GENERAL CHEMISTRY LAB	A	1.00	1.00	1.00	
MAC 2312	ANALYT GSEM & CALC 2	W	4.00			
EARNED HRS	8.00	GRADE PTS	21.50	HRS CARRIED	8.00	
UNIVERSITY OF FLORIDA 1LS 2001 FALL						
BSC 2011	INTEGRA PRINC BIOL 2	C	3.00	3.00	3.00	
BSC 2011 L	INTEG PRIN BIOL 2 LAB	C	1.00	1.00	1.00	
CHM 2046	GEN CHEM & QUAL ANALY	W	3.00			
CHM 2046 L	GEN CHEM QUAL ANALY LB	A	1.00	1.00	1.00	
MUN 1210	UNIVERSITY ORCHESTRA	A	1.00	1.00	1.00	

No Image Processing

university appears in small letters across the face of this 8 1/2" X 11" document

Prefix & Course Number	Course Title	Units	Grade	Credit Earned	Credit for GPA	Prerequisites
Attn: Admissions Unity College 90 Quaker Hill Road Unity, ME 04988						
CLAST M 997 R 997 W 997 E 97 03/25/00						
UNIVERSITY OF FLORIDA 2000 SPRING						
COLLEGE LEVEL ACADEMIC SKILLS TEST COMPLETE BY ALTERNATIVE METHOD						
CREDIT BY EXAM - ADV PLACEMENT 2000 FALL						
AML 2070	ENGLISH LIT/COMP	P	3.00	3.00		
EARNED HRS	3.00	GRADE PTS	.0	HRS CARRIED	.00	
UNIVERSITY OF FLORIDA 1LS 2000 FALL						
CHM 2040	INTRO GEN CHEMISTRY	D	3.00	3.00	3.00	
MAC 2311	ANALYT GSEM & CALC 1	R D+	4.00	4.00	4.00	
MUL 2010	INTRO TO MUSIC LIT	A	3.00	3.00	3.00	
SLS 1102	EMPHAS FRESHMAN EXPR	A	1.00	1.00	1.00	
SYG 2430	MARRIAGE AND FAMILY	C	3.00	3.00	3.00	
EARNED HRS	10.00	GRADE PTS	31.00	HRS CARRIED	14.00	
UNIVERSITY OF FLORIDA 1LS 2001 SPRING						
BSC 2010	INTEGRA PRINC BIOL 1	C	3.00	3.00	3.00	
BSC 2010 L	INTEG PRIN BIOL 1 LAB	A	1.00	1.00	1.00	
CHM 2045	GENERAL CHEMISTRY	C+	3.00	3.00	3.00	
CHM 2045 L	GENERAL CHEMISTRY LAB	A	1.00	1.00	1.00	
MAC 2312	ANALYT GSEM & CALC 2	W	4.00			
EARNED HRS	8.00	GRADE PTS	21.50	HRS CARRIED	8.00	
UNIVERSITY OF FLORIDA 1LS 2001 FALL						
BSC 2011	INTEGRA PRINC BIOL 2	C	3.00	3.00	3.00	
BSC 2011 L	INTEG PRIN BIOL 2 LAB	C	1.00	1.00	1.00	
CHM 2046	GEN CHEM & QUAL ANALY	W	3.00			
CHM 2046 L	GEN CHEM QUAL ANALY LB	A	1.00	1.00	1.00	
MUN 1210	UNIVERSITY ORCHESTRA	A	1.00	1.00	1.00	

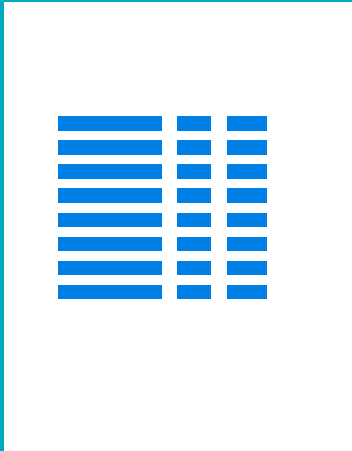
Competitive Image Processing

university appears in small letters across the face of this 8 1/2" X 11" document

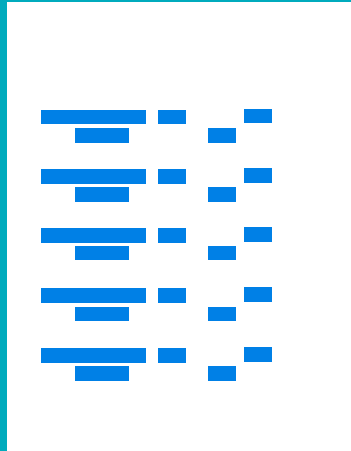
Prefix & Course Number	Course Title	Units	Grade	Credit Earned	Credit for GPA	Prerequisites
Attn: Admissions Unity College 90 Quaker Hill Road Unity, ME 04988						
CLAST M 997 R 997 W 997 E 97 03/25/00						
UNIVERSITY OF FLORIDA 2000 SPRING						
COLLEGE LEVEL ACADEMIC SKILLS TEST COMPLETE BY ALTERNATIVE METHOD						
CREDIT BY EXAM - ADV PLACEMENT 2000 FALL						
AML 2070	ENGLISH LIT/COMP	P	3.00	3.00		
EARNED HRS	3.00	GRADE PTS	.0	HRS CARRIED	.00	
UNIVERSITY OF FLORIDA 1LS 2000 FALL						
CHM 2040	INTRO GEN CHEMISTRY	D	3.00	3.00	3.00	
MAC 2311	ANALYT GSEM & CALC 1	R D+	4.00	4.00	4.00	
MUL 2010	INTRO TO MUSIC LIT	A	3.00	3.00	3.00	
SLS 1102	EMPHAS FRESHMAN EXPR	A	1.00	1.00	1.00	
SYG 2430	MARRIAGE AND FAMILY	C	3.00	3.00	3.00	
EARNED HRS	10.00	GRADE PTS	31.00	HRS CARRIED	14.00	
UNIVERSITY OF FLORIDA 1LS 2001 SPRING						
BSC 2010	INTEGRA PRINC BIOL 1	C	3.00	3.00	3.00	
BSC 2010 L	INTEG PRIN BIOL 1 LAB	A	1.00	1.00	1.00	
CHM 2045	GENERAL CHEMISTRY	C+	3.00	3.00	3.00	
CHM 2045 L	GENERAL CHEMISTRY LAB	A	1.00	1.00	1.00	
MAC 2312	ANALYT GSEM & CALC 2	W	4.00			
EARNED HRS	8.00	GRADE PTS	21.50	HRS CARRIED	8.00	
UNIVERSITY OF FLORIDA 1LS 2001 FALL						
BSC 2011	INTEGRA PRINC BIOL 2	C	3.00	3.00	3.00	
BSC 2011 L	INTEG PRIN BIOL 2 LAB	C	1.00	1.00	1.00	
CHM 2046	GEN CHEM & QUAL ANALY	W	3.00			
CHM 2046 L	GEN CHEM QUAL ANALY LB	A	1.00	1.00	1.00	
MUN 1210	UNIVERSITY ORCHESTRA	A	1.00	1.00	1.00	

IRIS Image Processing

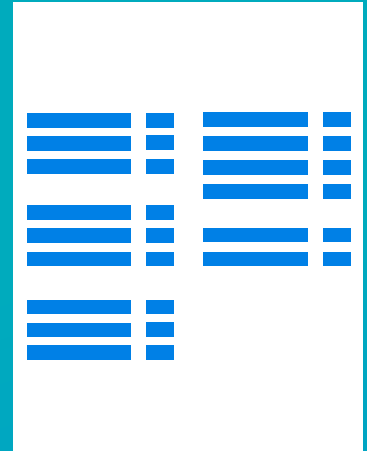
COURSE DETAILS & GRADE EXTRACTION



COURSE LAYOUT A



COURSE LAYOUT B



COURSE LAYOUT C

Course information and grades come in many different formats. Most of these formats can be divided into three different categories: single tables, scattered table, and dual tables. Our extraction techniques identify the layout format, is not limited by which page it starts, can extract multiple layouts, and much more!

✓ Extracts course information like semester/term, subject, course ID, Grade, and credit information

✓ Matches course information like semester/term, subject, course ID, Grade, credit information to target school curriculum



COURSE PLACEMENT

District Name: Gilbert Public Schools
 District Number: 070241
 Gilbert Classical Academy Official Transcript
 Tel: (480)497-4034
 1016 N. Burk St., Gilbert, AZ 85234

Student Number: [REDACTED] GRADE: 12
 Generated on 05/25/2022 01:50:49 PM Page 1 of 1

Student Information		#234 Gilbert Classical Academy		Standard Tests	
Student Number:	Grade: 12	Course	Mark	Weight	Credit
Birthdate:	Gender: F	2018-2020 Grade 10 Term 2			
State ID:		AW512B CREATIVE WRIT/ACAD	A	1.0000	0.5
Diploma Date:	05/25/2022	WORKSHOP			
GPA Summary		MA400W HONORS ALGEBRA IIB	A	1.0000	0.5
Cumulative GPA (Weighted)	4.5424	SC136B HONORS CHEMISTRY	A	1.0000	0.5
Class Rank	32 of 92	EN210B HONORS ENGLISH II	A	1.0000	0.5
Percentile	65.22%	FL108B HONORS SPANISH II	A	1.0000	0.5
Cumulative GPA (Unweighted)	3.8963	PA105B SYMPHONIC STRINGS	A	1.0000	0.5
Class Rank	34 of 92				
Percentile	63.04%				
#134 Gilbert Classical Academy Jr High School		2020-2021 Grade 11 Term 1		Scores: 39 Result: EXC Date: 04/01/2019	
Course		Mark		Weight	
2017-2018 Grade 08 Term 2		2018-2019 Grade 09 Term 1		AZ CIVICS GRAD. REQUIREMENT	
JMA850A HONORS ALGEBRA IIA		PA101A CONCERT ORCHESTRA II		Result: PASS Date: 05/11/2018	
B		A		Note: Standard Test scores within this transcript	
1.0000		1.0000		represents the student's best scores only and may	
0.5		0.5		consist of scores from multiple administrations of the	
Credit: 3.500		Credit: 3.500		assessment. Therefore, the composite score should	
GPA: 4.0000		GPA: 4.0000		not be interpreted to be comprised of the subset	
UW GPA: 3.9000		UW GPA: 3.8571		scores shown.	
2017-2018 Grade 08 Term 4		2018-2019 Grade 09 Term 2			
JMA850B HONORS ALGEBRA IIB		MA416B AP CALCULUS AB			
A		A			
1.0000		1.0000			
0.5		0.5			
Credit: 3.500		Credit: 3.500			
GPA: 5.0000		GPA: 4.7143			
UW GPA: 4.0000		UW GPA: 4.0000			
#234 Gilbert Classical Academy		2020-2021 Grade 11 Term 2			
Course		Mark		Weight	
2018-2019 Grade 09 Term 1		2019-2020 Grade 10 Term 1			
PA101A CONCERT ORCHESTRA II		SS106B AP UNITED STATES HISTORY			
A		A			
1.0000		1.0000			
0.5		0.5			
Credit: 3.500		Credit: 3.500			
GPA: 4.4286		GPA: 4.0000			
UW GPA: 3.8571		UW GPA: 4.0000			
2018-2019 Grade 09 Term 2		2019-2020 Grade 10 Term 2			
PA101B CONCERT ORCHESTRA II		SS101A AP WORLD HISTORY			
A		B			
1.0000		1.0000			
0.5		0.5			
Credit: 3.500		Credit: 3.500			
GPA: 4.0000		GPA: 4.5714			
UW GPA: 3.8571		UW GPA: 3.8571			
2019-2020 Grade 10 Term 1		2019-2020 Grade 10 Term 2			
SS101A AP WORLD HISTORY		SS101B AP WORLD HISTORY			
B		B			
1.0000		1.0000			
0.5		0.5			
Credit: 3.500		Credit: 3.500			
GPA: 4.5714		GPA: 4.5714			
UW GPA: 3.8571		UW GPA: 3.8571			
Standard Tests		Standard Tests			
AZMerit - Algebra I		AZMerit - Algebra I			
Results: 4/0/2018		Results: 4/0/2018			
AZMerit - ELA Grade 9		AZMerit - ELA Grade 9			
Results: 4/26/2019		Results: 4/26/2019			
AZMerit - Geometry		AZMerit - Geometry			
Results: 4/26/2019		Results: 4/26/2019			
AIMS-ADAMS		AIMS-ADAMS			
Date: 04/01/2019		Date: 04/01/2019			
AIMSS-Science		AIMSS-Science			

Official's Signature _____

Credit: 3.500 GPA: 4.7143 UW GPA: 4.0000

2020-2021 Grade 11 Term 2

MA416B AP CALCULUS AB	A	1.0000	0.5
EN310B AP ENGLISH III	A	1.0000	0.5
SC151B AP PHYSICS 1	A	1.0000	0.5
SS106B AP UNITED STATES HISTORY	A	1.0000	0.5
SS412B HONORS ECONOMICS	A	1.0000	0.5
SS612B STEM SERVICE LEARNING 11	A	1.0000	0.5
PA105B SYMPHONIC STRINGS	A	1.0000	0.5

Credit: 3.500 GPA: 4.7143 UW GPA: 4.0000

Course Placement: **MATH161**

Onboarding students can be a cumbersome job. Accuracy requires laborious hours with mostly manual processing. Not anymore! By reading a document the same way a human does, IRIS is able to logically verify the correct course placement. This placement is a sustainable and adaptable solution which can be done across all academic course entry requirements.



ACCURATE STUDENT IDENTIFICATION

When processing any type of document with student information, it is imperative all identification is done using precision. Information governance to this process. Our 5-Step solutions work with your data to uniquely identify the correct correspondence with accuracy.

So, what defines accuracy?

IRIS
IDENTIFY

- Gather
- Identify
- Process
- Differentiate
- Secure

Perfect Match	Good Match	Poor Match
Student ID #	Address	Date of Birth
Phone #	Date of Birth	School
Social Security #	Date of Incident	Name
These values have a unique 1:1 hit. Only one person could have this value linked to the individual. Guaranteed perfect match.	These values make for a good match ONLY when tied to a name of multiple combinations of the above. This matching can often bring back multiple hits because of the nature of these values.	A match with not enough information. This can typically result from when only one of the above is found so it can result in too many returned hits/matches.

Observing these matching rules, IRIS attempts to make the best, most accurate decision possible. The quality of the match is always dependent upon what is found on the document or matched to the database. Our intelligent, non-templated, free text approach ensures IRIS identifies the BEST match possible.

1

Scanned documents get classified.
(This will help us identify the information easier)



2

Each document has multiple hits, resulting in poor matches.

6 RESULTS

Name: John Smith

3



Transcript

Name: John Smith

DOB: Jan 14, 1985

ID: 8675309

1 RESULT

Name – Returned 6 Results

DOB – Narrowed Search Results to 2

ID – Narrowed the Results to 1

With each document, IRIS will continue to match captured values until the best possible match can be made.



Faster Enrollment

Increase enrollment faster and effortlessly with our advance course and intelligent capture technology.



Course Matching

Match student course equivalencies to school guidelines.



Eliminate Errors

IRIS Intelligent capture reduces the chance for mistakes to occur from manual entry processes.



Flexible Licensing

Our licensing model works however you need it. Perpetual or Subscriptions models can be acquired.



Increased Productivity

Allow your staff to spend more time on meaningful work and less time performing time consuming, repetitive tasks.



Automatic Separation

Intelligent data capturing technology makes cover pages and manual separation a thing of the past.



Import

Import from any scanners, MFPs, cloud locations, email, or directory location.



Integrations

We connect to almost any SIS, ERP, ECM, or other backend system.



Easy-to-Use Verification

Exceptions may require verification. If a transcript is missing important information, our GUI is easy to use and minimizes all keystrokes.



Template Free

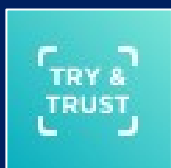
Our solutions read documents like you do, left-to-right, top-to-bottom. We read and identify structured, semi-structured, and unstructured.



Term + Term Year Identification

Terms along with their respective year is easily identified using sophisticated search methods.





Upload your files, get results in seconds!

Try & Trust is a sneak preview of how IRIS' Free-Form Extraction works on unstructured & semi-structured documents. irisdatacapture.com/try-and-trust



Intelligent Information Management

Document understanding & process automation solutions. Take control of your data, speed up your processes. irisdatacapture.com



Want to learn more?

Let us know if you want to see more, setup a demo, or answer any of your questions. irisdatacapture.com/contact-us