



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

Attn: Admissions Unity College 90 Quaker Hill Road Unity, ME 04988									
Prefix & Course Number	Course Title	Course Number	Grade	Credit	Credit Earned	Credit for GPA	P	W	F
CLAST M 997 R 997 W 997 E 97 03/29/00									
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	0.00				
UNIVERSITY OF FLORIDA 1LS 2000 FALL									
CHM 2040	INTRO GEN CHEMISTRY	D	3.00	3.00	3.00				
MAC 2311	ANALYT GENM & 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	ENHANC FRESHMAN EXPER	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	INTRO 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 GENM & 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	INTRO 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

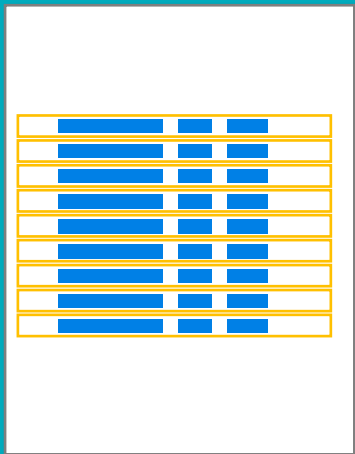
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Competitive Image Processing

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IRIS Image Processing

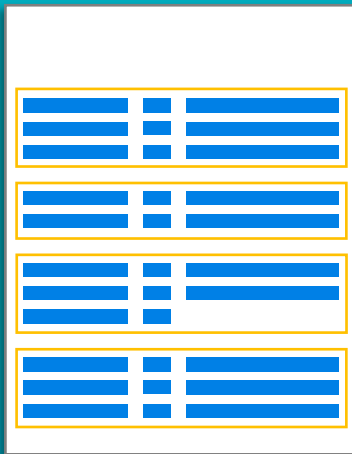
# COURSE DETAILS & GRADE EXTRACTION



ROW LAYOUT A



ROW LAYOUT B



ROW 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

## APPROVED LAYOUT TYPES



Understanding the layout of a transcript is important to the capture of course, class title, and grade. By identifying one of the commonly used above transcript types, IRIS can identify the correct table should be loaded for correct capture.





# 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  
 State ID: [REDACTED] Gender: F  
 Diploma Date: 05/25/2022  
 Generated on 05/25/2022 01:50:49 PM Page 1 of 1

Student Information		#234 Gilbert Classical Academy		Standard Tests	
Student Number	Grade	Course	Mark	Weight	Credits
2018-2019 Grade 10 Term 2					
AW152B CREATIVE WRITING A 1.0000 0.5					
MA409W HONORS ALGEBRA IIA 1.0000 0.5					
SC136B HONORS CHEMISTRY A 1.0000 0.5					
EN210B HONORS ENGLISH II A 1.0000 0.5					
FL108B HONORS SPANISH II A 1.0000 0.5					
PA105B SYMPHONIC STRINGS A 1.0000 0.5					
Credit: 3.500 GPA: 4.5714 U/W GPA: 3.8571					
2020-2021 Grade 11 Term 1					
MA416A AP CALCULUS AB A 1.0000 0.5					
EN310A AP ENGLISH III A 1.0000 0.5					
SC151A AP PHYSICS 1 A 1.0000 0.5					
SS106A AP UNITED STATES HISTORY A 1.0000 0.5					
EN312A HONORS SPEECH & DEBATE 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 U/W 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 U/W GPA: 4.0000					
2021-2022 Grade 12 Term 1					
SC122B AP BIOLOGY A 1.0000 0.5					
EN312A AP ENGLISH IV A 1.0000 0.5					
SS122B HONORS PHILOSOPHY A 1.0000 0.5					
EN312B JOURNALISM I A 2.0000 0.5					
SS912B SERVICE LEARNING A 1.0000 0.5					
CAREER PREP A 1.0000 0.5					
PA105B SYMPHONIC STRINGS A 1.0000 0.5					
Credit: 3.500 GPA: 4.5000 U/W GPA: 4.0000					
2021-2022 Grade 12 Term 2					
SC122B AP BIOLOGY A 1.0000 0.5					
EN411B AP ENGLISH IV A 1.0000 0.5					
MA414B AP STATISTICS A 1.0000 0.5					
SS122B HONORS PHILOSOPHY A 1.0000 0.5					
EN312B JOURNALISM I A 2.0000 0.5					
SS912B SERVICE LEARNING A 1.0000 0.5					
CAREER PREP A 1.0000 0.5					
PA105B SYMPHONIC STRINGS A 1.0000 0.5					
Credit: 3.500 GPA: 4.5000 U/W GPA: 4.0000					
Standard Tests					
Achieve - Algebra I Results Date 04/02/2018					
Achieve - ELA Grade 9 Results Date 04/26/2019					
Achieve - Geometry Results Date 04/26/2019					
AIMS ADAMS Date 04/01/2019					
AIMS Science					

Official's Signature \_\_\_\_\_

Credit: 3.500 GPA: 4.7143 U/W 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 U/W 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 # Phone # Social Security #	Address Date of Birth Date of Incident	Date of Birth School 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.



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.



**Intelligent Information Management**  
Document understanding & process automation solutions. Take control of your data, speed up your processes.



### **Want to learn more?**

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