



Online Learning Program

Celonis Process Mining

Creating extraordinary online learning experiences with Process Mining

This program enables you to...

- ... learn about Process Mining at any time and any place
- ... independently discover content and work with the Celonis software
- ... create and supplement your own online courses with our materials and expertise
- ... acquire a Process Mining certification

Online Learning with Celonis Process Mining

5. Process Mining Certificate (p. 25)

2. Online Learning Resources

Curriculum, Literature,
Case Studies, Videos

(p. 7)

3. Online Lectures

Remote Sessions and
Workshops

(p. 10)

4. Online Software Training

Academy

(p. 13)

1. Celonis Intelligent Business Cloud – Academic Edition (p. 4)

1. Celonis Intelligent Business Cloud – Academic Edition

Start right away!

Your all-in-one platform to access the latest process mining technology.

It's free: for students, teachers and researchers

All Celonis features included: Process Discovery, Conformance Checking, Enhancement, App Store, Machine Learning Workbench...

Big Data Capabilities: Preloaded demo data, unlimited data uploads and event collection features

Campus feeling: designed for use in classroom, self-learning and group work and enhanced with learning videos, extensive training and teaching material



<https://www.celonis.com/academic-signup>

How to differentiate between Celonis platforms

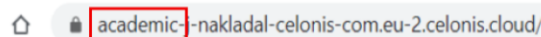
As an academic user, you have access to several editions of the **Celonis Intelligent Business Cloud (IBC)** for different use cases. For each platform there is a **separate sign up** and a **different URL** to access. In most cases, your academic email address is required. You may use the same email address and password for each Celonis platform, but you can also use different passwords.

Check out how you can differentiate between the platforms:

RECOMMENDED

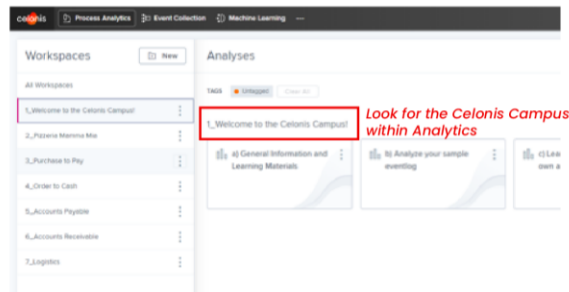
IBC Academic Edition

www.celonis.com/academic-signup



Usage of Content:

- Academic Purpose (Teaching, Research)
- Process Analytics, Event Collection, Machine Learning, App Store
- Campus with extensive material



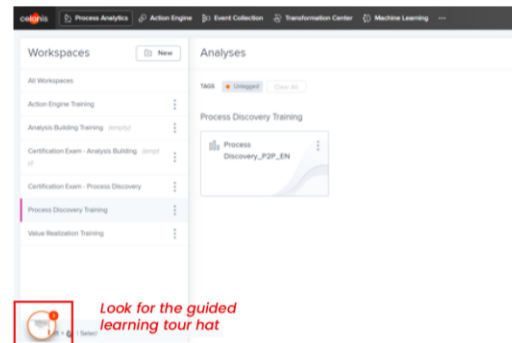
Training Platform and IBC

training.celonis.cloud/



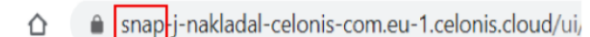
Usage of Content:

- Training purpose (Learn Celonis functionalities)
- Demo data based on training track you are enrolled in



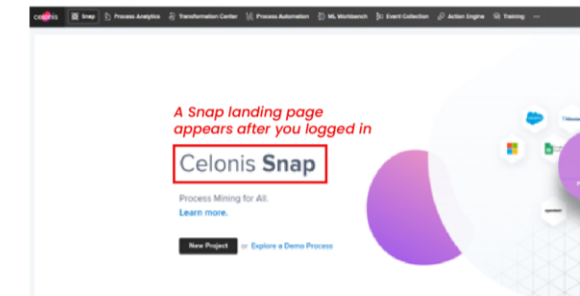
Celonis Snap

www.celonis.com/snap-up



Usage of Content:

- Commercial usage/ Non-Academic
- Snap Landing Page with Project QuickStart
- Demo data must be installed first



2. Online Learning Resources

Online Learning Curriculum

1. Resources:

We have collected various resources to facilitate self-guided online learning and to complement your own materials:

- Papers, articles and other reading material
- Stories about practical use cases and customer application
- Case studies
- Exercises

They come in various formats (video, PDF, Powerpoint etc.).

2. Recommendations:

We have compiled our recommendations for an Online Process Mining Curriculum, which can be used to design one or more units:

- Essential Reading
- Lectures
- Activities

**Download the
material here**

<http://bit.ly/celonis-curriculum>



Exemplary Online Curriculum

	Introduction to Process Mining	Applied Process Mining I	Applied Process Mining II	The Future of Process Mining
Reading	<ul style="list-style-type: none">• Gartner (2019): Market Guide• Davenport and Spanyi (2019): What Process Mining is ...• Van der Aalst et al. (2011): Process Mining Manifesto	<ul style="list-style-type: none">• Case Study: Vodafone – Procurement and Finance• Case Study: Non-Conventional processes (Medical Training)	<ul style="list-style-type: none">• Smit and Buns (2019): Process Mining in the Rail Industry• Celonis (2020): The Ultimate Guide to Process Mining	<ul style="list-style-type: none">• Veit et al. (2017): The Proactive Insights Engine:• Pasquadibisceglie (2019): Predictive Process Analytics• Geyer-Klingeberg et al. (2018): PM and RPA
Lecture	<ul style="list-style-type: none">• Slide Deck: Introduction to Process Mining• Video: What is Process Mining	<ul style="list-style-type: none">• Video: Customer Story Schukat• Video: Customer Story Vodafone	<ul style="list-style-type: none">• Video: Microsoft & Celonis – Driving the Future of Mobility	<ul style="list-style-type: none">• Slide Deck: Process Mining and Machine Learning
Activity	<ul style="list-style-type: none">• Academy Online Training: Analyst Track – Process Discovery Basics (2.5 h)• Sign up for Academic Software License	<ul style="list-style-type: none">• Academy Online Training: Analyst Track – Process Discovery Advanced and Analysis Building Basics (3.5 h)	<ul style="list-style-type: none">• Academy Online Training: Analyst Track – Analysis Building Advanced (3.5 h)	<ul style="list-style-type: none">• Academy Online Training: Analyst Track – Action Engine and Value Realization (3 h)

3. Online Lectures

Free Video On Demand Lecture on YouTube

Process Mining Fundamentals with Angela and Janina from the Celonis Academic Alliance

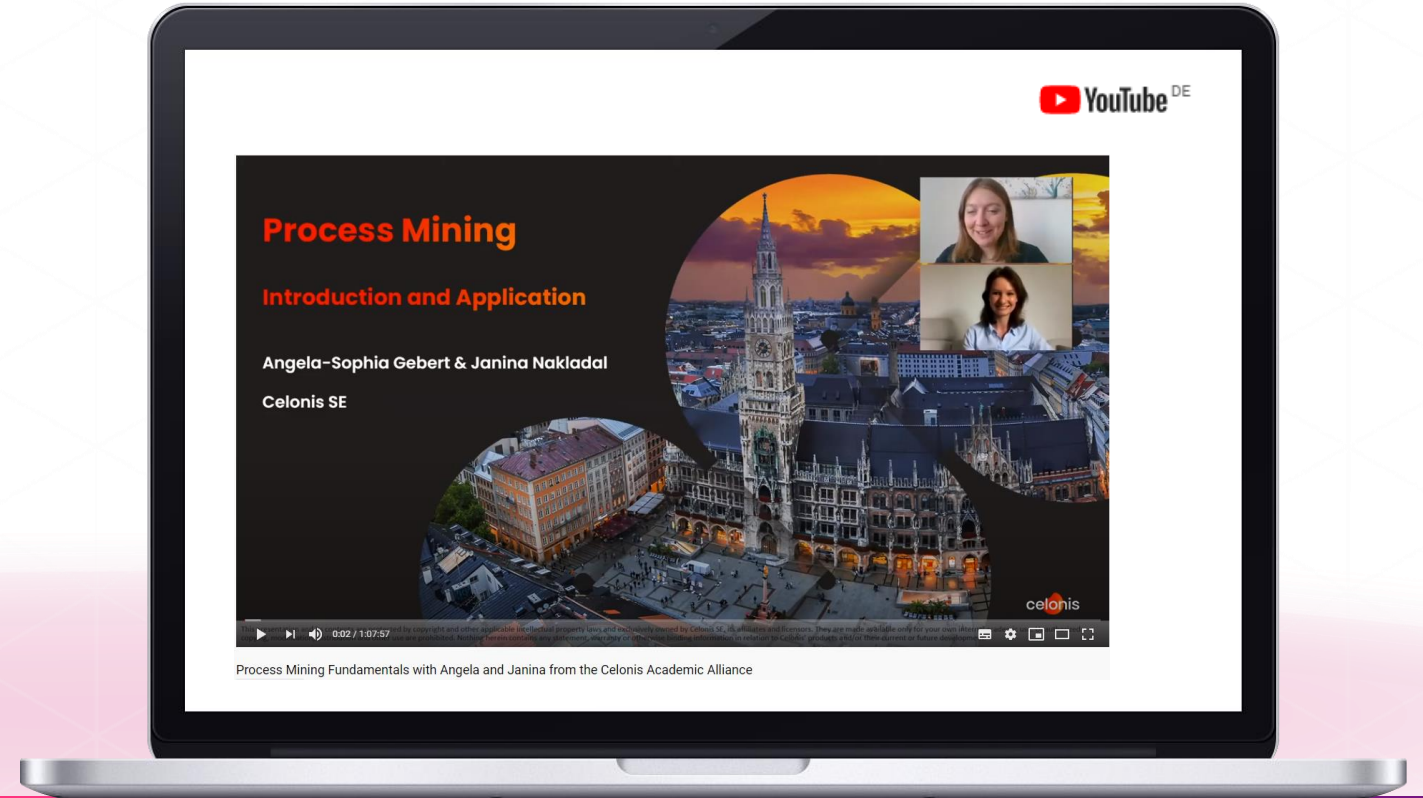
We produced an introductory video lecture that teaches the following contents:

1. Why are processes important?
2. What is Process Mining?
3. Applied Process Mining with Celonis
4. Organizational Change with Process Mining

You can watch it in two formats

- full lecture (about 1 hour)
- mini-series with 4 episodes

on YouTube!





Book a speaker for a free Online Lecture!

Whether you need

- an introduction to Process Mining
- a guided tour through Celonis or
- an in-depth workshop with exercises and case studies

- we come to your virtual classroom!

Our content will be tailored to your needs:
We offer classic lectures and innovative formats like virtual break-out rooms, coffee breaks for exchange or round table discussions.













Please contact us: academic.alliance@celonis.com

Globally available

Different tools available

English and German

Our Modular Online Lecture Formats

Module	Learning objectives	Trained skills	Duration
Fundamentals of applied Process Mining			
PROCESS MINING TURNING DATA INTO VALUE	<ul style="list-style-type: none"> ✓ Introduction to the world of processes ✓ Fundamentals of Process Mining ✓ Short glance at the Celonis software ✓ The business value of Process Mining and use cases 	Business  Analytics  Software 	45 minutes up to 2 hours
Process Mining Bootcamp – Various data sets available			
PROCESS MINING KICKSTARTER	<ul style="list-style-type: none"> ✓ Work with pre-configured Celonis analyses (various demo data sets available) ✓ Detect process inefficiencies and their root causes (including Conformance Checking) ✓ Drill-down the process data 	Business  Analytics  Software 	1 hour
BUSINESS PROCESS ANALYST BASIC and ADVANCED	<ul style="list-style-type: none"> ✓ Design new analyses in the Celonis interface ✓ Define KPIs and graphical components ✓ Learn Process Query Language (PQL) ✓ Import your own data 	Business  Analytics  Software 	2–3 hours
Process Mining in Action – Various Use Cases available			
PM in Finance or Audit	<ul style="list-style-type: none"> ✓ Learn about the use cases of Process Mining ✓ Work on real-life business problems ✓ Many more use cases available 	Business 	2–4 hours
PM in Management (MBA)		Analytics 	
PM in Supply Chain Mgmt		Software 	

Pick a module, combine various elements or contact us to create a customized format for you and your students.

4. Online Software Training

Celonis Online Training **GET ACCESS FOR FREE**

By signing up for the Online Training you get access to our Celonis Kick-Start Training and the four Training Tracks.



Every training comes with a certificate of completion.
More information: <https://www.celonis.com/training/>

HELLO! KICK-START TRAINING

"I want to get started with Celonis Process Mining."

Choose this training if you want to:

- Gain a basic understanding of the Celonis Intelligent Business Cloud applications and how the Process Mining technology works.

After this track you will be able to:

- Understand process visualization to get a 100% transparent.
- Apply basic filters in Process Discovery to identify drivers for deviations.
- Apply advanced analysis filters and leverage Process Discovery.
- Build basic and advanced analyses from scratch and customize them.
- Communicate and pitch business findings.
- Technically set up & configure the Action Engine & Transformation Center.
- Understand how to realize the value identified with Celonis.
- Identify and quantify process improvement opportunities.



Please note:

- This training is not intended to prepare you for the user role-based training tracks but is designed for learners who want to get a general overview of Celonis.



**No previous
knowledge required**

KEYWORD



QUICKSTART



~ 1 hour

Celonis User Roles and Training Tracks



Executive

"I want to have a high-level view on my business and an efficient reporting."



Monitor process performance. Set simple filters to easily identify root causes for deviations.

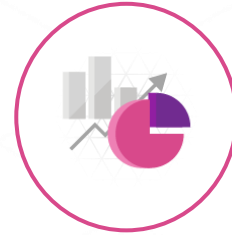


Business User

"I want Celonis to support me in my day to day tasks."



Simplify daily work. Get intelligent recommendations to execute the right actions.

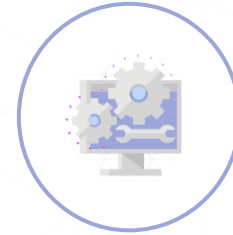


Analyst

"I want to solve relevant business challenges with data to add value."



Translate data into actionable business insights. Create target-oriented analyses to transform your business.



Data Engineer

"I'm responsible for the technical set up and for connecting our data."



Technically connect and maintain Celonis processes.

User roles work in different applications within the Celonis IBC.

Training Track and Course Overview

You can choose between our four training tracks. Find more information on the following slides.



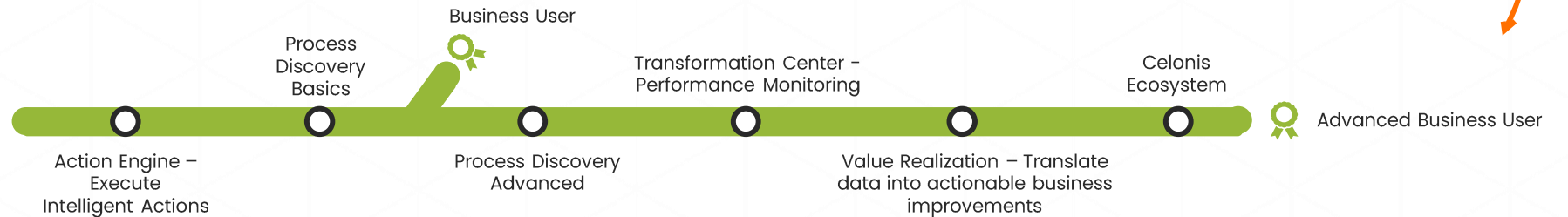
Executive



Recommended for Students and Lecturers



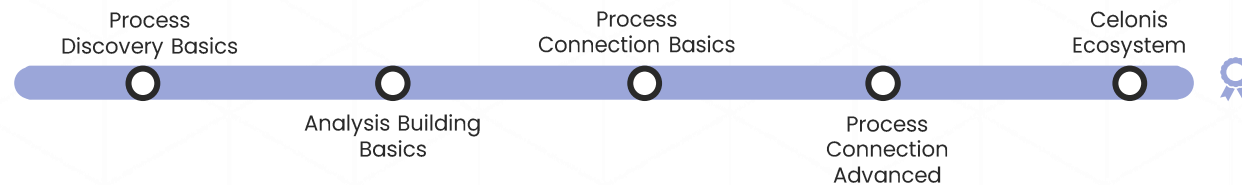
Business User



Analyst



Data Engineer



 Starting Point

 Online Courses

 Certified User

Business User Track

"I want Celonis to support me in my day-to-day tasks."

The Business user [Basic/Advanced] uses Celonis to:

- Get the day-to-day work done in a faster and more efficient way
- Get proactive insights to reduce firefighting
- Understand what happened for individual cases
- Monitor process performance

Advanced topics:

- Identify process improvement opportunities
- Realize the value identified with Celonis
- Solve the causes for undesired process deviations

Recommended Know-How:

- Process knowledge & business expertise
- No technical knowledge required

Skills Profile:

- Business ●●●●○
- Analytical ●●○○○
- SQL ○○○○○

Celonis Applications:

- Transformation Center
- Process Analytics
- Action Engine



KEYWORD

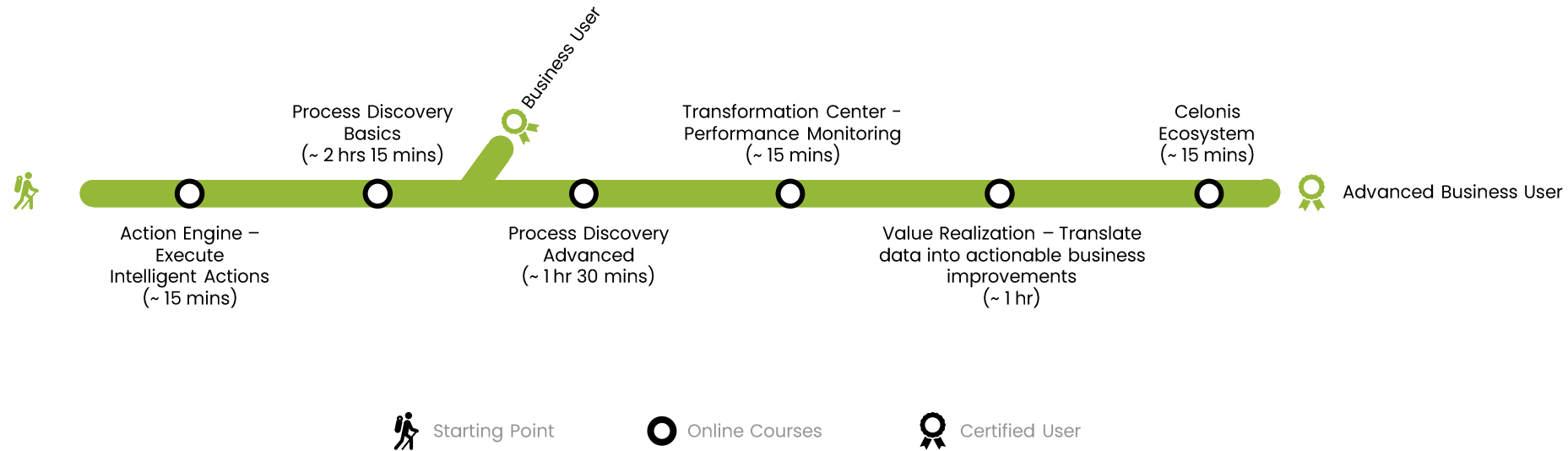


EXECUTE
DISCOVER



Basic: ~ 2.5 hrs
Advanced: ~ 5.5 hrs

Business User: Course Overview



LEARNING OBJECTIVES – After this track you will be able to:

- Execute intelligent actions using the Action Engine.
- Understand process visualization to get a 100% transparent view on your process.
- Apply basic filters to do Process Discovery and to identify drivers for deviations.
- Apply advanced analysis filters and know everything about Process Discovery.
- Monitor process performance and track transformation initiatives with the Transformation Center.
- Understand how to realize the value identified with Celonis.
- Identify and quantify process improvement opportunities.

Analyst Track

"I want to solve relevant business challenges with data to add value."

The Analyst uses Celonis to:

- Translate data into actionable insights and pitch findings to the management
- Work with the business to create/refine target-oriented analyses
- Support the business with the set up of all Celonis applications
- Trigger process improvement initiatives
- Realize value identified with Celonis
- Have a single source of truth for process matters

Recommended Know-How:

- Process knowledge & business expertise
- Basic knowledge of underlying data structure

Skills Profile:

- Business ●●●●●
- Analytical ●●●●●
- SQL ●○○○○

Celonis Applications:

- Transformation Center
- Process Analytics
- Action Engine
- App Store



KEYWORD

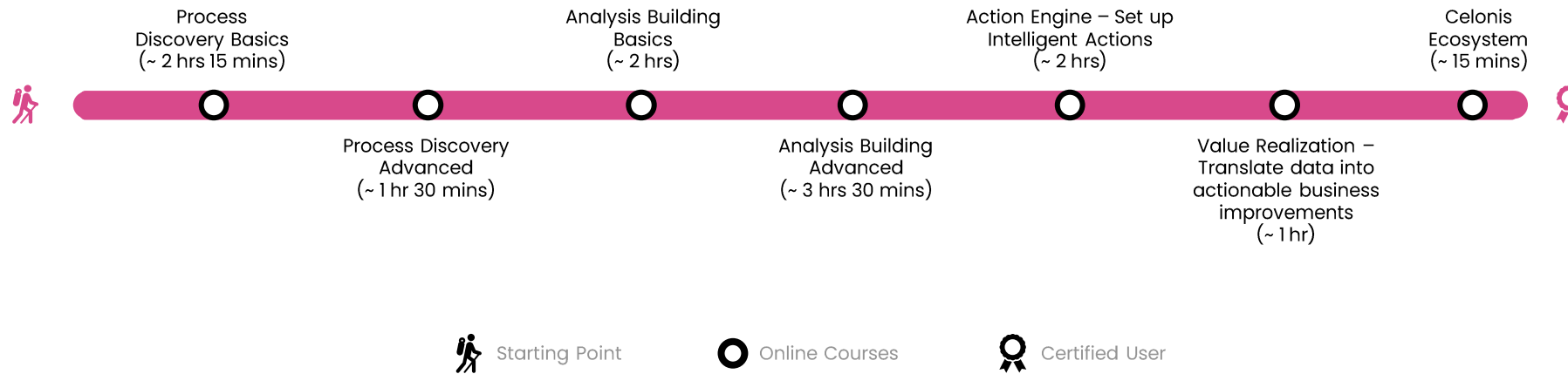


DISCOVER
ENHANCE



~ 12 hrs 30 mins

Analyst: Course Overview



LEARNING OBJECTIVES – After this track you will be able to:

- Understand process visualization to get a 100% transparent view on your process.
- Apply basic filters to do Process Discovery and to identify drivers for deviations.
- Apply advanced analysis filters and know everything about Process Discovery.
- Build basic and advanced analyses from scratch and customize exiting ones.
- Communicate and pitch business findings.
- Set up & configure the Action Engine and Transformation Center.
- Understand how to realize the value identified with Celonis
- Identify and quantify process improvement opportunities.

Data Engineer Track

"I'm responsible for the technical set up and for connecting our data."

The Data Engineer uses Celonis to:

- Map business goals with data
- Work with the business to understand what data they need to analyze their process.
- Write SQL code to connect a process to Celonis
- Configure data jobs, loads and data models
- Validate data

Recommended Know-How:

- Know-how of data structures
- Vertica SQL skills
- Experience with ETL processes

Skills Profile:

- Business ●○○○○
- Analytical ●●●○○
- SQL ●●●○○

Celonis Applications:

- Process Analytics
- Event Collection
- App Store



KEYWORD

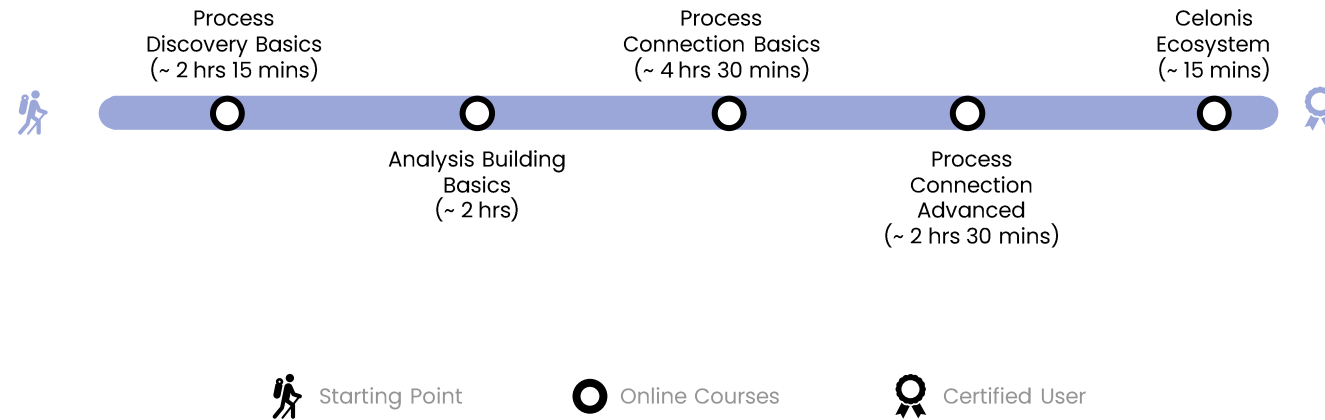


CONNECT



~ 11 hrs 30 mins

Data Engineer: Course Overview




LEARNING OBJECTIVES – After this track you will be able to:

- Understand process visualization to get a 100% transparent view on your process.
- Build a data pipeline and a Celonis data model.
- Connect to arbitrary source systems, extract data & transform it.
- Understand how to build basic analyses in Celonis to validate data.

5. Process Mining Certificate

Get your Process Mining Certificate!

If students participate in our Online Learning Program they will receive our Celonis Process Mining Certificate!



Sign Up
To use the key please sign up for a new account or login to an existing one.

First Name Required

Middle Name

Last Name Required

Email Required

Password Required

Re-enter Password Required

Country

Company Required

Customer Type Required

Communication Preferences Required

[Sign Up](#)

[Returns To My Dashboard](#)

1.

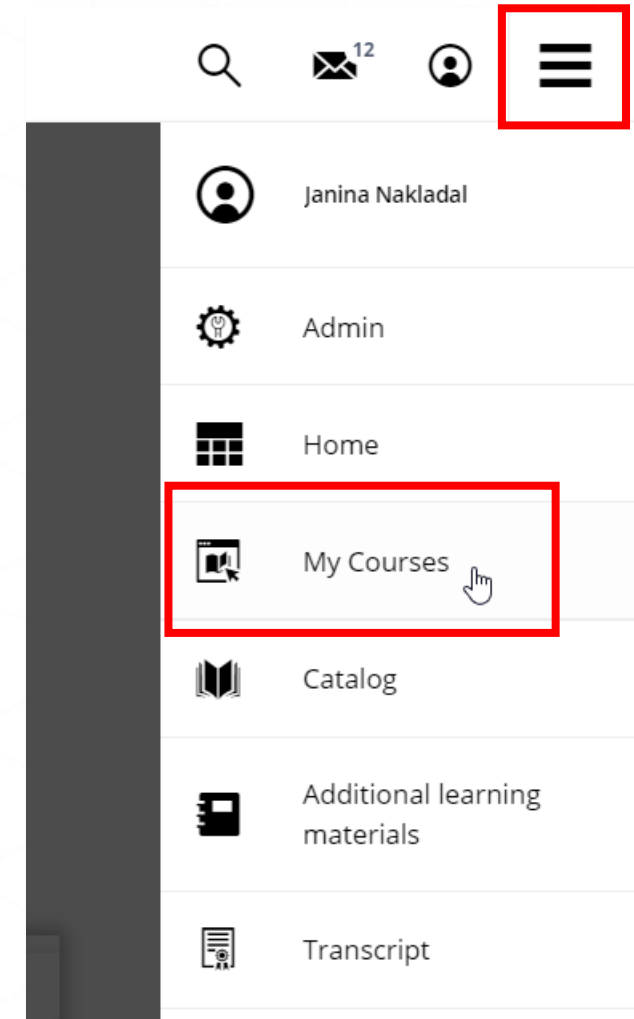
Contact us and request the Enrollment Key. Share it with your students.

2.

To get the certificate: Sign in to your existing training account or register for a new account.

Please use your academic email address

Please use „Partner“ here

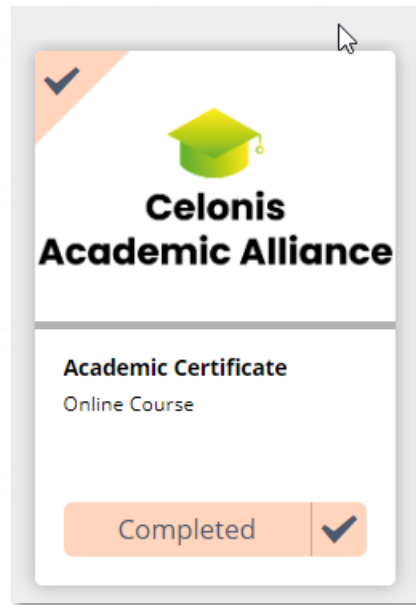


3.

Within the Learning Management System click on the menu in the upper right bar and select „My Courses“.

Get your Process Mining Certificate!

If students participate in our Online Learning Program they will receive our Celonis Process Mining Certificate!



4.

Find the Course „Academic Certificate“ which will have the status completed.



5.

Within the course, you can directly download the certificate on the right.

Get your Process Mining Certificate!

If students participate in our Online Learning Program they will receive our Celonis Process Mining Certificate!

This certificate proves your competencies in the field of applied Process Mining.

Congratulations!



Happy Process Mining!

And for any questions, please contact

**Celonis Academic Alliance Team
(academic.alliance@celonis.com)**

The Celonis logo is a circular shape with a horizontal gradient, transitioning from a bright green on the left to a bright yellow on the right. It is positioned behind the text "celonis".

celonis