



# 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

### 2. Online Software Training

Academy

### 3. Online Learning Resources

Curriculum, Literature,  
Case Studies, Videos

### 4. Online Lectures

Remote Sessions

## 1. Celonis Intelligent Business Cloud – Academic Edition

# **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>

## **2. 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.



<https://www.celonis.com/lms/signup>

**Every training comes with a certificate of completion.**

More information: <https://www.celonis.com/training/>

# 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.

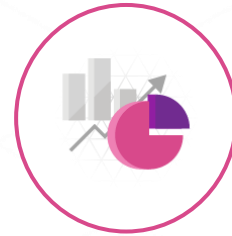


## Business User

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



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

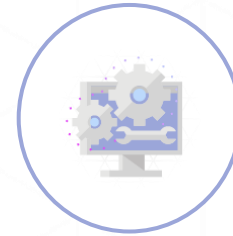


## Analyst

"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.



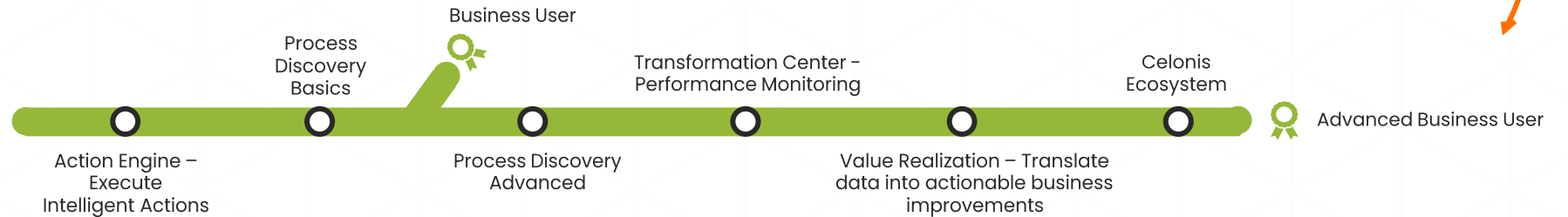
**Executive**



**Recommended for Students and Lecturers**



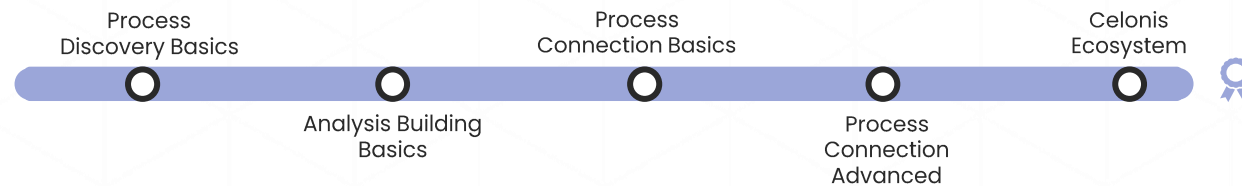
**Business User**



**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

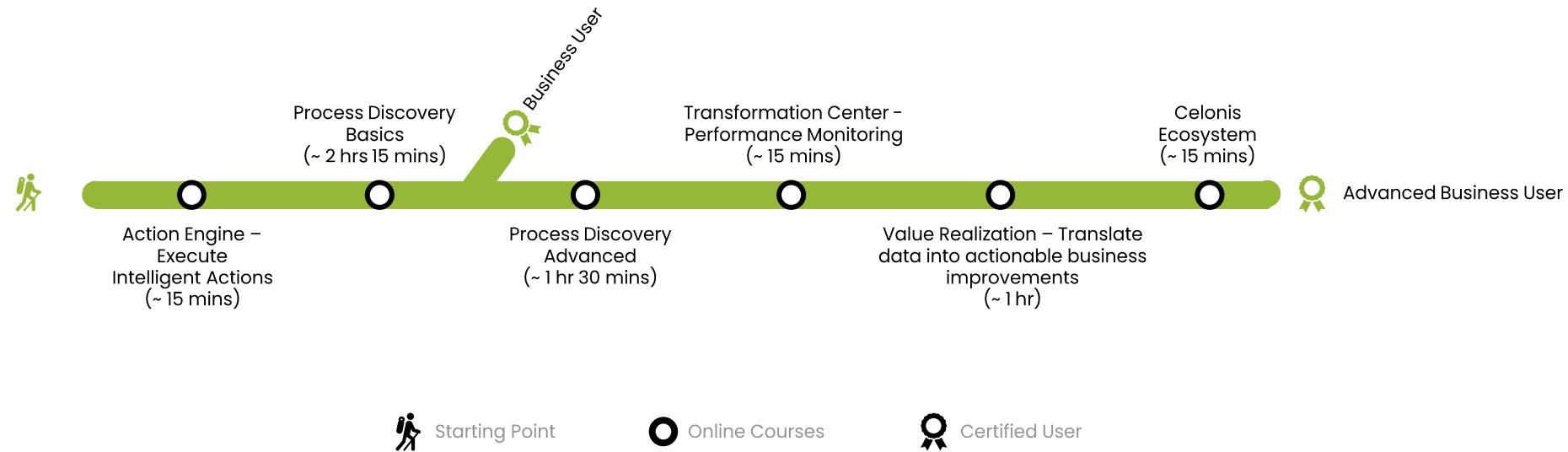


EXECUTE  
DISCOVER



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

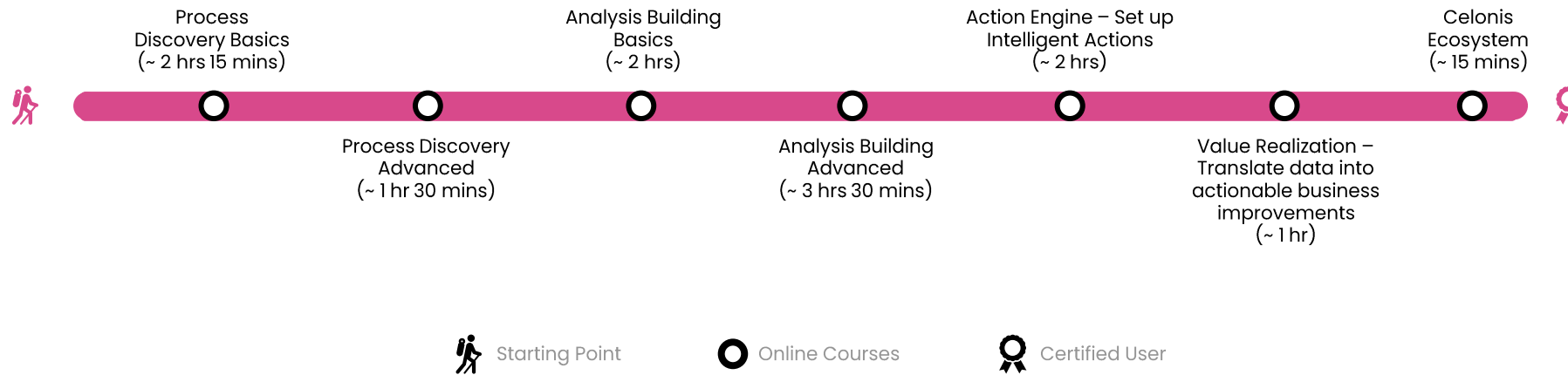


DISCOVER  
ENHANCE



~ 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

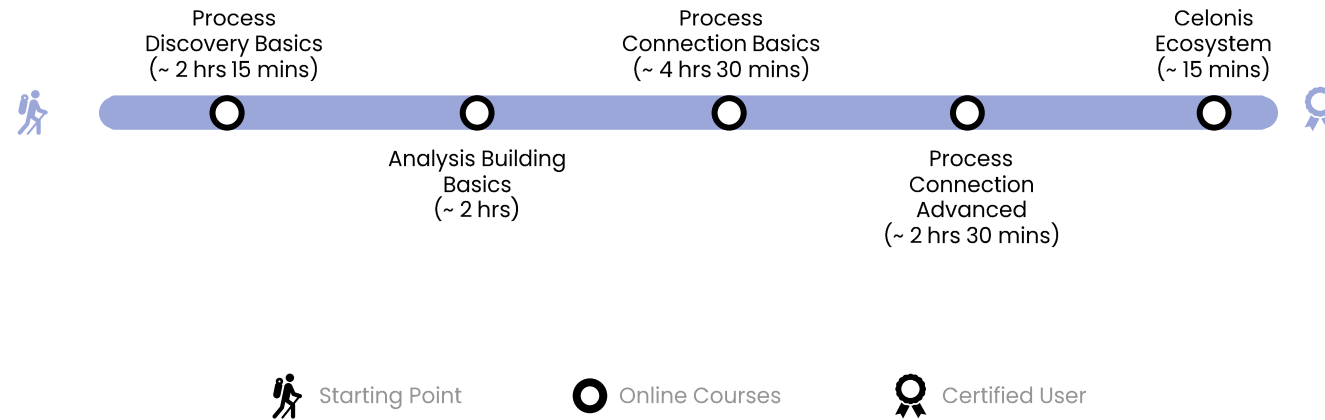


CONNECT



~ 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.

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

# **4.**

## **Online Lectures**



# Book a speaker for a free Online Lecture!

## Whether you need

- an introduction to Process Mining (*30 min to 1 hour*)
- a guided tour through Celonis (*30 min*)
- an in-depth workshop with exercises and case studies (*1 to 3 hours*)

**- we come to your virtual classroom!**

Our content will be tailored to your needs.

## Please contact us:

[academic.alliance@celonis.com](mailto:academic.alliance@celonis.com)

Globally available

Different tools usable


English and German

# **5. Process Mining Certificate**



# Get your Process Mining Certificate!

If you participate in our Online Learning Program you 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](#)

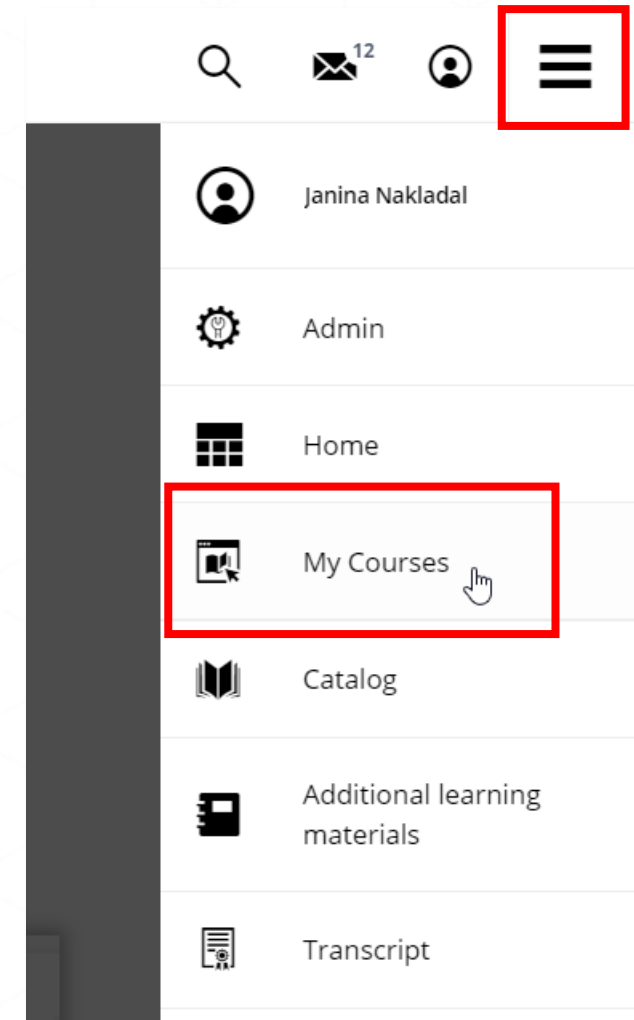
1.

Contact us and request the Enrollment Key

2.

Sign in to your existing training account or register for a new account

Please use „Partner“ here

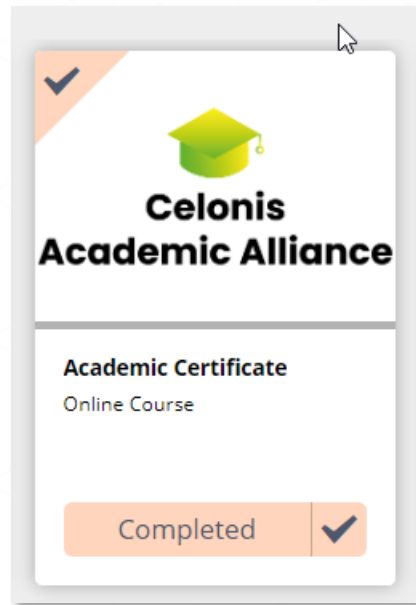


3.

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

# Get your Process Mining Certificate!

If you participate in our Online Learning Program you 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 your **certificate** on the right

# Get your Process Mining Certificate!

If you participate in our Online Learning Program you 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](mailto:academic.alliance@celonis.com))**

