

UNIVERSITY OF OSLO

Welcome to Master in Digital Economy and Leadership

Lena Hylving
Associate Professor

August 12th 2025



- Get to know each other
- Information about the program
- Course: Digital Leadership
- Course: Digital Business Development
- Course: Digital Ecosystems
- Student experience
- Administrative matters



Lena Hylving
Director of Programme



Andreas Ulfsten
PostDoc



Espen Andersen
Dosent



Maryam Washik
PhD student



Stefan Spanic
Master student



**Marie Lowzow
Morland**
Administration

2113 1383





Master in Digital Economy and Leadership

***Congratulations to you
for being accepted!***

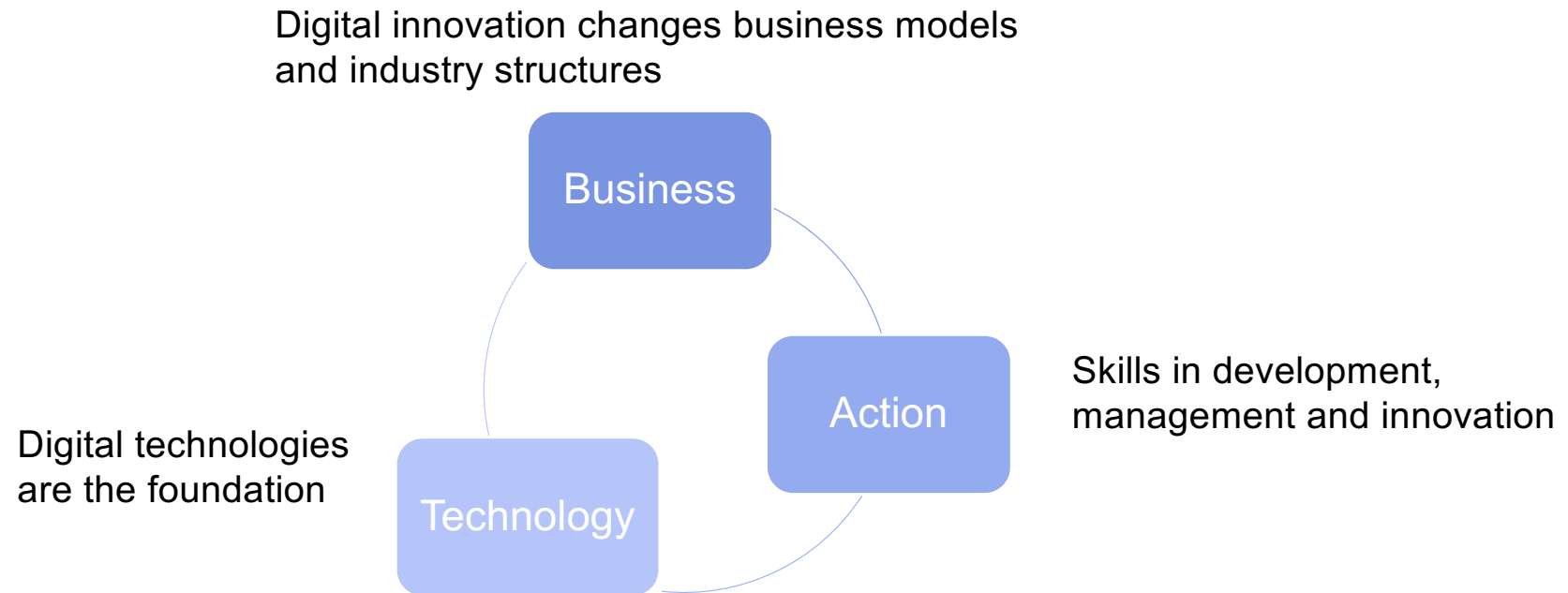
Why choose this program?

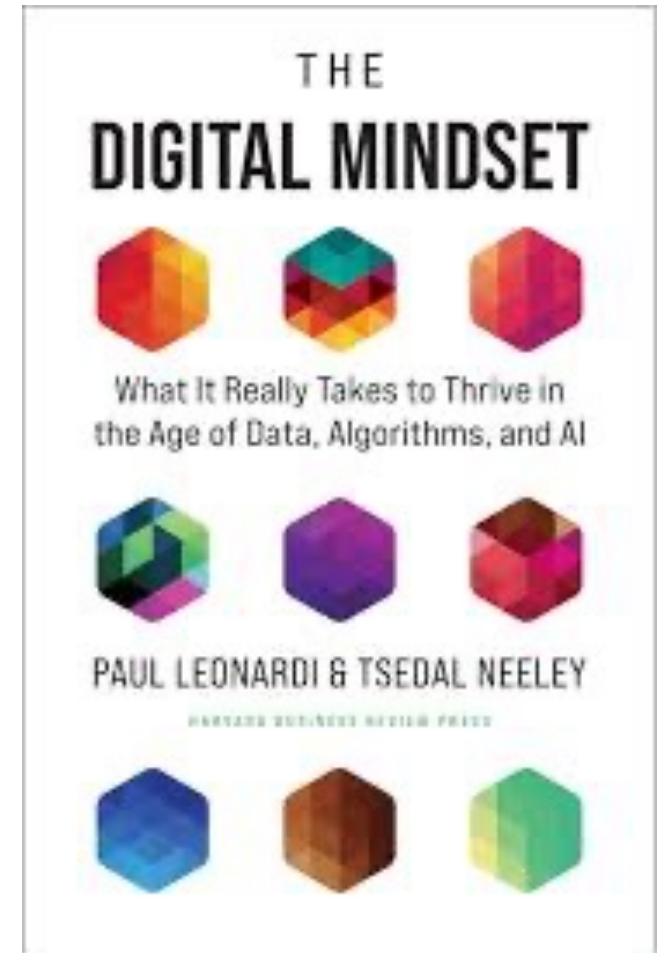
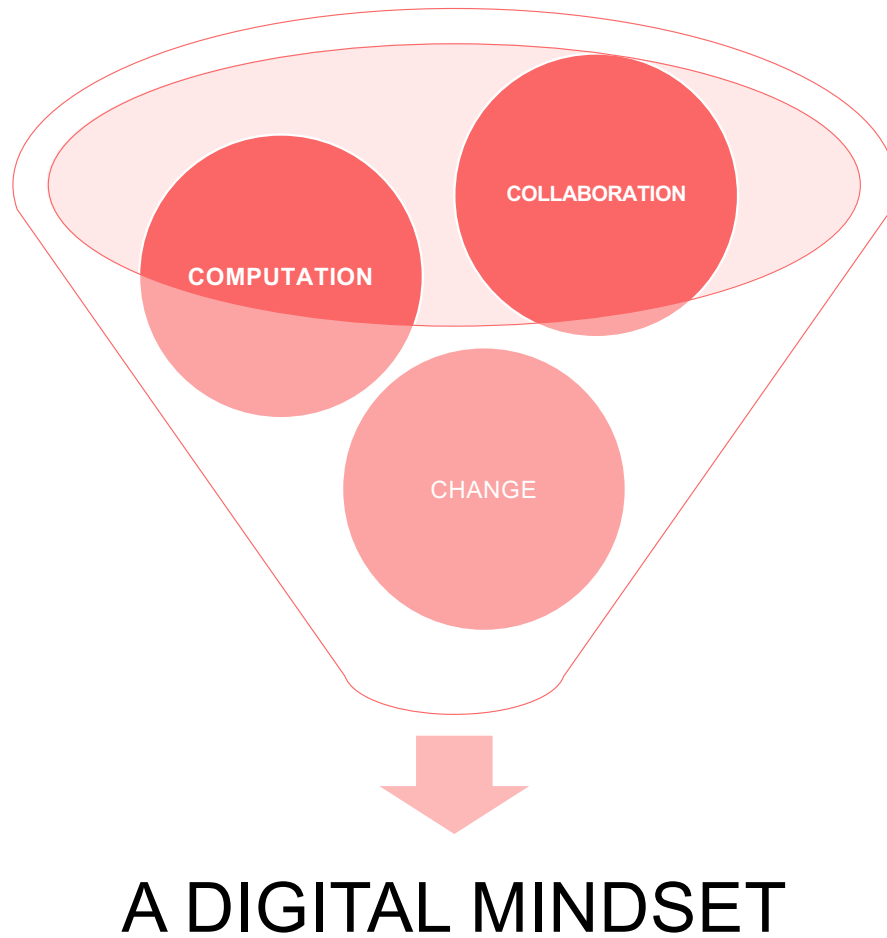
Digitalization changes companies, organisations and society.

There is a lack, globally, of candidates that combine technical knowhow with business skills.



Digitalization requires composite and integrated knowledge and skills





All goals are associated with digitalization in various ways



GOAL 1: No Poverty

GOAL 2: Zero Hunger

GOAL 3: Good Health and Well-being

GOAL 4: Quality Education

GOAL 5: Gender Equality

GOAL 6: Clean Water and Sanitation

GOAL 7: Affordable and Clean Energy

GOAL 8: Decent Work and Economic Growth

GOAL 9: Industry, Innovation and Infrastructure

GOAL 10: Reduced Inequality

GOAL 11: Sustainable Cities and Communities

GOAL 12: Responsible Consumption and Production

GOAL 13: Climate Action

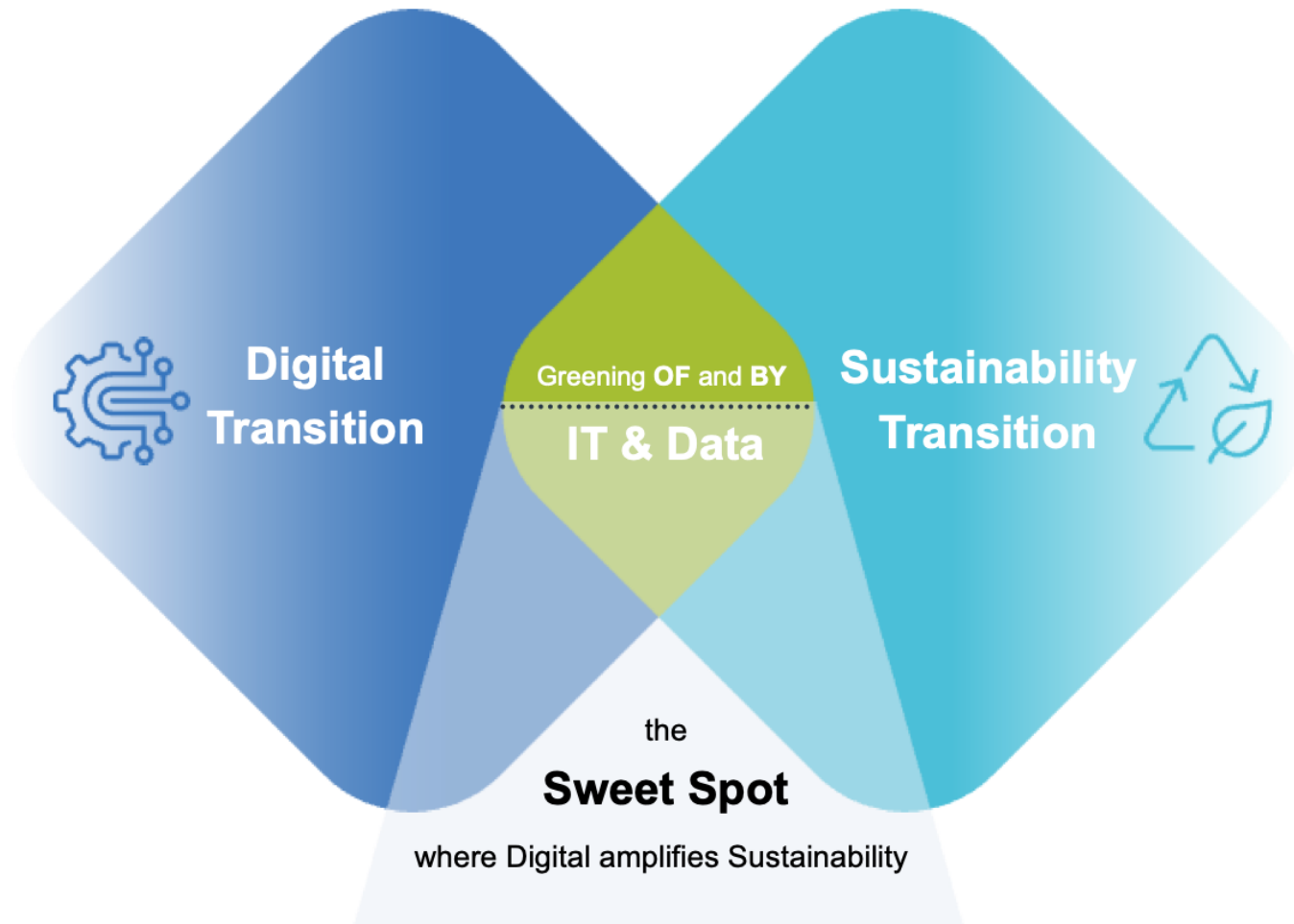
GOAL 14: Life Below Water

GOAL 15: Life on Land

GOAL 16: Peace and Justice Strong Institutions

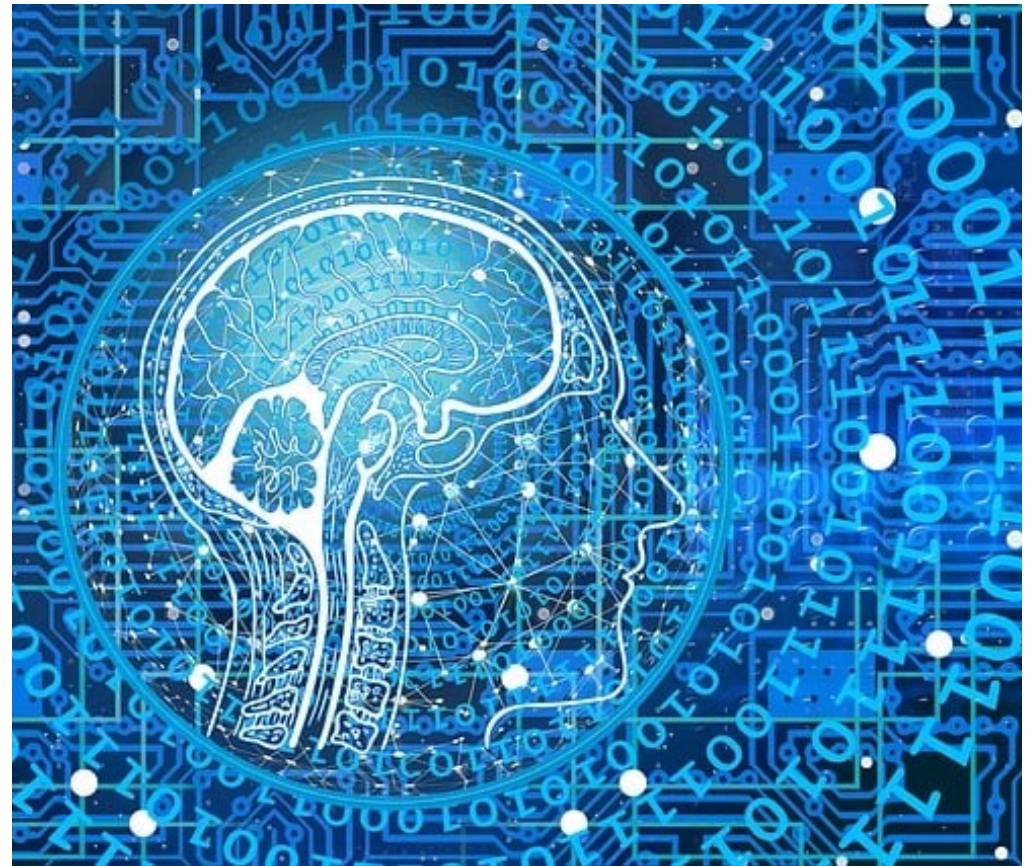
GOAL 17: Partnerships to achieve the Goal

Twin Transition



After completing the program you...

- Have research-based knowledge on how digital technologies are developed and used in a business context.
- Have skills in digital strategy, technology- and organisational development.
- Have managerial ability, including methodological and ethical competence, to lead digitalization processes.



Alternative structures: Mandatory courses and Master thesis

4	Short Master Thesis		
3	Master course	Master course	Master course
2	IN5160 Digital Leadership	Master course	Master course
1	IN4150 Digital Ecosystems	IN4270 Digital Business Dev.	Master course
Semester	10 stp	10 stp	10 stp

4	Long Master Thesis		
3	Master course		
2	IN5160 Digital Leadership	Master course	Master thesis
1	IN4150 Digital Ecosystems	IN4270 Digital Business Dev.	Master course
Semester	10 stp	10 stp	10 stp

Research methods course

IN4340 Engaged Qualitative
Research Methods

4	Short Master Thesis		
3	IN4340 Engaged Qualitative Research Methods	Master course	Master course
2	IN5160 Digital Leadership	Master course	Master course
1	IN4150 Digital Ecosystems	IN4270 Digital Business Dev.	Master course
Semester	10 stp	10 stp	10 stp

4	Long Master Thesis		
3			
2	IN5160 Digital Leadership	Master course	Master thesis
1	IN4150 Digital Ecosystems	IN4270 Digital Business Dev.	IN4340 Engaged Qualitative Research Methods
Semester	10 stp	10 stp	10 stp

Study Plan

- Topic for Master Thesis, and supervisor
- Elective courses
- A presentation about the master thesis process will be held.
- December 1st: Hand-in

<https://www.mn.uio.no/ifi/om/organisasjon/dig/?vrtx=unit-view&areacode=150593>

UiO **Institutt for informatikk**
Det matematisk-naturvitenskapelige fakultet



Student Administration
Master degree in Informatics
P.O. Box 1080 Blindern
0316 Oslo

Application for study plan agreement for the master programme

This agreement is an agreement between student, supervisor(s) and Programme Board concerning mutual rights and duties regarding the completion and curriculum of the master degree.

The form must be filled in co-operation with supervisor(s) (or contact person) and submitted to the Programme Board in the first semester for approval. Deadline **December 1**.

1. PERSONAL INFORMATION

Surname, Firstname:	Student number:
I'm a student at the master programme in Informatics: _____	

2. MASTER THESIS

A brief description of the thesis, scope, problematic issues, provisional title, shall be enclosed with the application on a separate sheet.

State type of thesis: Long thesis (60 ECTS) ☐	Short thesis (30 ECTS): ☐
All master students must write and hand in an essay to their supervisor, the essay must be approved. The deadline to hand in the essay is June 1. in the second semester.	
Will the thesis be part of a work done by more than one student? (If Yes, you must enclose an agreement on this cooperation stating how the work will be divided between you.)	Yes: ☐ No: ☐

DATA GOVERNANCE IN5560

A socio-technical approach to data governance using case-based discussions, guest lectures from practice, and theory-based lectures

DATA ANALYTICS

DATA AND LAW

TOPICS

DATA
MANAGEMENT

DATA
ECOSYSTEMS

DATA GOVERNANCE

DATA ARCHITECTURE

AI GOVERNANCE AND REGULATION

DATA AND AI

DATA
PRIVACY &
SECURITY

LAW & DATA PROTECTION
AUTHORITY

FINANCE &
CREDITING

CASES

HEALTHCARE

HEAVY-ASSET
INDUSTRIES

SOCIAL MEDIA
PLATFORMS

RETAIL

Two specializations

Digital ecosystems

IN5210 Information Systems
IN5431 IT and Management



Business development and entrepreneurship

ENT4400 Corporate Innovation Strategy
ENT4460 Corporate Entrepreneurship Project



Practical

Reading room at 6th floor

Get to know the academic staff and research

Large network in industry, public sector and academia

Visiting scholars' presentations

Inclusive student environment – Digitus

Student representative for Programråd

30th of September – Bendik Day





Future Forward

What you can expect from us:

- High academic standards at Norway's best university
- Pedagogically varied
- Lecturers are active researchers
- Interaction with industry

What we expect from you:

- Active academic engagement
- Hard work, together with other students
- That you learn to differentiate between research knowledge and