INTERNATIONAL BLENDED PROGRAM on
TWIN TRANSITION
by Niccolò Cusano University – Italy

BRIEFING
16 – 20 June 2025
Niccolò Cusano University
Don Carlo Gnocchi street, 3, 00166, Rome, Italy

Dear students,
The Blended International Programme (BIP) is a new ERASMUS+ initiative to support short-term mobility for students in the European Union. It is a one-week live programme complemented by blended learning elements before/after the live week at the host university (Niccolò Cusano University).

The program is on the topic "Twin Transition", which focuses on the simultaneous advancement of two major transformations:

Green Transition (environmental sustainability): moving to a more sustainable and low-carbon economy by adopting eco-friendly practices, renewable energy and circular economy principles.

Digital Transition (technological innovation): adopting digital technologies such as AI, IoT, automation and data analytics to improve efficiency, productivity and connectivity.

The green and ecological transitions are two aspects of the same profound evolution towards an economy capable of combining growth and sustainability.

Twin Transition represents one of European businesses and institutions' most relevant challenges and opportunities. This Blended Intensive Programme (BIP) aims to provide students with theoretical and practical tools to address this double transformation through an innovative approach that combines online learning and international mobility.

BIP GOALS

- Understand the concept of Twin Transition and its impact on different economic sectors.
- Explore the key technologies of the digital transition (AI, IoT, Big Data) applied to sustainability.
- Analyze business best practices and European strategies for a circular and low-carbon economy.
- Develop practical skills through direct experiences in companies and interactive workshops.
- Encourage international collaboration between students, researchers and professionals.

OBJECTIVES AND DESCRIPTION. The BIP titled "Twin transition" consists in two weeks pre-course blended activities composed by the first part of theoretical studies and exercises and secondo part of case studies analysis. After that, the program provides a week of live activities program, enhanced by blended learning elements after this live week.

This designed learning structure based on the blended intensitive activities and applications of the of the concepts introduced and topics exploitation. The Blended Intensive Programme (BIP) will take place from June 16 to 20, 2025, at Niccolò Cusano University and will feature the participation and collaboration of other three Universities from several nationality (Poland, Bulgaria, and Greece) creating a context rich in cultural and academic exchange and Erasmus principals' contaminations.

The topic -Twin Transition- addressing the global and economic evolution pattern consists in two main the main challenges: Ecological Transition and Digital Transition. The first one aims to achieve a sustainable and low-carbon economy by promoting eco-friendly practices, the use of renewable energies, and the adoption of circular economic principles. This aspect of the program explores in depth how companies can reduce their environmental impact through sustainable innovations and smart operational strategies.

Concurrently, the Digital Transition focuses on integrating advanced technologies such as artificial intelligence (AI), the Internet of Things (IoT), automation, and data analytics to increase efficiency, productivity, and connectivity in business operations. The program details how these technologies are revolutionizing entire industries, improving not only economic performance but also the quality of life and resilience of urban infrastructures and services.

The course also includes an in-depth study of the economic and social sustainability implications of this transition, focusing attention on how it can influence global market dynamics, contribute to reducing inequalities, and promote more equitable and sustainable development.

Main aspect related the technological unemployment and the importance of inclusive strategies that ensure equitable access to new opportunities created by digitization and environmental sustainability are analyses and discussed.

The exchange program includes a significant component of international mobility, allowing students to experience educational environments in different cultural and academic realities. This element of the program is essential for training professionals capable of operating effectively in a global context, enriching their educational journey with an international perspective on the issues addressed.

Endorsements from former participants and Associations emphasize how the program has had a significant impact on their professional development, providing them with crucial skills to navigate and lead transitions in their work environments. This feedback is used to continue improving the program, ensuring that it remains cutting-edge and effectively meets market needs and sustainability goals.

In conclusion, the BIP positions itself as a catalyst for change, equipping students with the theoretical and practical tools necessary to address and lead the Twin Transition in both professional and social spheres. The combination of online learning and international mobility creates a dynamic and flexible educational environment, suitable for preparing leaders capable of merging economic growth and sustainability in an integrated and innovative vision.

METHODS AND OUTCOMES. The Blended Intensive Program organized by Niccolò Cusano University represents an innovative educational platform to explore and deepen the concepts of ecological and digital Twin Transition. The BIP implements various teaching methods, including lectures, seminars, hands-on workshops and company visits, to provide students with a comprehensive understanding of the theories and practices that shape transitions towards a sustainable and digitally integrated future.
The BIP teaching methods are designed to maximize learning outcomes. Lectures are structured to introduce students to the key concepts of green and digital transitions. Industry experts and academics present the latest developments and emerging trends, providing a solid theoretical foundation that students can apply in practical settings.
Seminars are interactive sessions that allow students to discuss and critically reflect on the themes presented in the lectures, facilitating a more in-depth exchange of ideas between students and teachers.
The workshops provide a platform for students to explore the technologies and methodologies being implemented in different industrial contexts.
Company visits allow students to see how sustainability and digital innovation theories and practices are applied in the real world. During these visits, students can interact with managers and technical staff, gaining direct immersion in the operational strategies and production processes that support the ecological and digital transition.
At the end of the BIP, students are expected to be able to:
Understand the concept of Twin Transition and its impact on different economic sectors, recognizing how sustainable initiatives and digital technologies can converge to create more resilient and competitive economic systems.
Explore the key technologies of the digital transition (AI, IoT, Big Data) applied to sustainability, assessing how they can optimize resources and reduce environmental impact.
Analyze business best practices and European strategies for a low-carbon and circular economy, identifying the most effective policies and practices to promote environmental sustainability at the corporate and government levels.
Develop practical skills through direct experiences in companies and interactive workshops, acquiring practical and decision-making skills crucial for their future professional career.
Encourage international collaboration between students, researchers and professionals, building a network of contacts that supports innovation and the exchange of best practices at a global level.

PHYSICAL START DATE. 16 June 2025 **PHYSICAL END DATE.** 20 June 2025

VIRTUAL COMPONENT TIMING (BEFORE OR AFTER PHYSICAL DATE). 28 May 2025 – 24 June 2025

VIRTUAL COMPONENT DESCRIPTION. The Blended Intensive Program includes a significant virtual component designed to complement and enhance the student learning experience before the in-person week begins. This virtual component is structured to best prepare students by addressing complex topics such as the Twin Transition from a theoretical perspective and through real-world case study analysis. The course begins with a webinar scheduled on Meet on May 28, 2025. This opening session provides students with a comprehensive overview of the program and educational objectives, introduces the faculty, and facilitates initial contact between participants.

In the two weeks before the formal start of the BIP, students are provided with structured study materials and handouts:

• Week 1: Students are required to study material on the Twin Transition. This includes research articles, industry reports, and multimedia content exploring transitions' environmental and technological implications.

• Week 2: The focus shifts to selected case studies that illustrate the practical application of the theories discussed, offering concrete examples of how companies and governments address these transformations.

The first assignment is individual. Students must study the material provided by email and prepare a video presentation in which they introduce themselves and justify their interest in Twin Transition. This presentation represents 50% of the final grade of the course. It is assessed primarily based on critical reflection, creativity, and the ability to connect theoretical concepts with personal and professional interests.

The briefing for the second assignment makes it clear that it will involve intercultural group work with groups of 2 to 4 students. The group work phase begins on June 19 with an in-person workshop, during which groups will present a draft of their work. This session is essential for developing communication, collaboration, and problem-solving skills. Each student is expected to contribute to the presentation actively, thus promoting the development of transferable skills such as leadership, time management, and working effectively in multicultural contexts. Subsequently, groups must submit a detailed paper in PDF format of at least 20,000 characters, including the written report and the PowerPoint presentation. This work represents the remaining 50% of the final grade. It is assessed based on the depth of the analysis, the quality of the research, the originality of the proposed solutions, and the communicative effectiveness of the material presented.

OBJECTIVES OF THE VIRTUAL COMPONENT. The main objective of the virtual component is to encourage critical reflection, stimulate creativity, sharpen entrepreneurial thinking and develop transferable skills. Students are guided to reflect on how green and digital transitions can be integrated into various economic sectors and how they can personally contribute to these global transformations. In conclusion, the virtual component of the BIP is designed not only to provide essential theoretical knowledge but also to prepare students to face real challenges and improve their analytical, collaborative, and communication skills in an international and interdisciplinary context.

Please find below the current status of planning and some organizational suggestions.

DRAFT PROGRAMME

The 2025 dates are: June 16 – 20, 2025
By June 16 morning, arrival in Rome, overnight stay until June 20, accommodation chosen by the students or at the Niccolò Cusano University

Pre-Course Blended Programme:

The course starts with a webinar on Google Meet on 28/05/2025, at 15:00
Week 1: Study the material on twin transition
Week 2: Study case studies

If you want to receive the 6 ECTS for the course, you have to pass 2 assignments, one before and one after the course (see details at the end of the document).

The live program:

June 16: Location: Niccolò Cusano University
11:00: Welcome and overview of the week
12:30 Lunch at the Niccolò Cusano University canteen
15:00: Theoretical lesson

June 17 Location: Niccolò Cusano University
10:00 Incubator/company excursions
13:30 Lunch at the Niccolò Cusano University canteen or free lunch

June 18
10:30 Incubator/company excursions
14:00 Free lunch
15:00-16:00 Incubator/company excursions

June 19 Location: Niccolò Cusano University
10:00-13:00 Workshop
13:00 Lunch at the Niccolò Cusano University canteen

June 20 Location: Niccolò Cusano University
10:00-13:00 Final event in collaboration with ECESP
13:00 Lunch at the Niccolò Cusano University canteen

A second virtual component follows until the end of the course on June 24, when the final project is scheduled, see below.

ONLINE LEARNING AGREEMENT (OLA)
BIP ID: XXXX

Each student must have an OLA via the institution's dashboard, or he/she must enter the data himself/herself—please check!

If the students complete both assignments, they will be issued a 6 ECTS certificate for the course. The course at SCU is called: *Twin Transition*

BLENDED INTERNATIONAL PROGRAMME
Briefing on the FIRST Task – 50 %
Individual Task
Deadline: XXXX
Send to: XXXX
Delivery Format: Video

The first assignment is an individual assignment. Students must study the material provided through the mail. The individual assignment consists of introducing yourself and justifying your interest in the topic of twin transition.
The delivery is a video presentation, to be submitted by Gabriella Arcese and Maria Giovina Pasca. This constitutes 50% of the entire grade.
The aim is to encourage critical reflection, creativity, business thinking and transversal skills.

BLENDED INTERNATIONAL PROGRAMME
Briefing on the SECOND Task – 50 %
Intercultural Group Work 2 – 4 students
Deadline: XXXX
Send to: XXXX
Delivery Format: Report and Powerpoint presentation

Only 1 team member should submit the report and the Powerpoint presentation that the group worked on

the twin transition.

CONTACT FOR LEARNING AGREEMENT AND CERTIFICATE

Email: erasmus@unicusano.it; laura.pecetta@unicusano.it

CONTACT FOR ACADEMIC DISCUSSIONS

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SUPPORT FOR STUDENTS

Giulia Padovani
Ph.D Student in Management for Digital Transformation: business, communication and ethics

Dario Barberini
Ph.D Student Management for Digital Transformation: business, communication and ethics