




AMASE

(November 02, 2022)

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Date:	Tuesday, October 18, 2022	Reach	499,800	
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New degree course in 3D printing under way

A new degree course in 3D printing has got under way at Ireland's newest technological university. The one-year programme in additive manufacturing, better known as 3D printing, has been launched by South East Technological University (SETU) and is aimed at giving specialists the expertise needed in this sector.

Fully subscribed for its inaugural year, the part-time course has attracted people from the manufacturing industry across a range of sectors.

SETU has a suite of industrial metal and polymer 3D printers in Waterford and Carlow, worth over €3m, which are being used on the part-time Level 7 Bachelor of Science degree, and students have the opportunity to gain experience in a wide range of processing technologies, 3D printing platforms and materials.

Additive manufacturing is the process of building something layer by layer and the SETU course is expected to be popular in industries such as aerospace, medical technology, bio-pharma, agri-tech, and precision engineering.

It brings together expertise from the region through the Enterprise Ireland Technology Gateways, the South Eastern Applied Materials Research Centre, and Design+.

Programme leader is [David Alarco](#) who said the area of additive manufacturing "represents a fascinating ecosystem with huge opportunities for society, the environment and industry".

He described it as "a green technology" because of its efficiency in using material and allowing local manufacture which saves on transport, packaging and distribution.

"It is also far more innovative, you can make lighter and stronger parts, manufacture designs that were previously impossible and create goods tailored to the individual," Mr Alarco said.

Head of the Faculty of Engineering on SETU's Carlow campus, Dr Frances Hardiman, said the expertise which the university has in this sector is "second to none" and they want to harness that to support regional upskilling and create the specialists that companies need".

Dr Ken Thomas, Head of the School of Engineering in Waterford, said the south-east region can lead the charge in successfully adopting this technology.

"SETU will continue to develop as a centre of excellence for additive manufacturing, helping companies with their innovation opportunities and transition challenges".



Print Eastward



Additive manufacturing research engineers Lola Givet and Bruno Zluhan during the 3D printing course, the first of its kind, which is under way and fully subscribed for the first year of the part-time level 7 bachelor of science in additive manufacturing course at South East Technological University. Picture: Patrick Browne



New 3D printing course at SETU

By Dermot Keyes

A NEW one-year degree additive manufacturing (3D printing) programme at the South East Technological University (SETU) hopes to play its part in positioning the region as a centre of excellence within this still emerging industry.

In a nutshell, 3D printing is changing the way things are made - it's the process of creating an object by printing or building it one layer at a time.

This part-time Level 7 Bachelor of Science in Additive Manufacturing, fully subscribed for the first year, is primarily aimed at upskilling people across a range of sectors, including Aerospace, Med-Tech, Bio-Pharma, Agri-Tech and Precision Engineering.

"The area of additive manufacturing represents a fascinating ecosystem with huge opportunities for society, the environment and industry," said Programme Leader David Alarco.

"It is a green technology in the efficient way it uses material. Companies can manufacture locally, saving on transport, packaging and distribution costs. It is also far more innovative; you can make lighter and stronger parts, manufacture designs that were previously impossible and create goods tailored to the individual. This course is a unique opportunity for students to try something in practice, it's not just theoretical. We will be utilising the labs and equipment in Waterford and Carlow. It's important that students come out of the course with the exact knowledge and skills to be that proficient workforce."

The new degree brings together know-how and equipment from Waterford and Carlow through the Enterprise Ireland Technology Gate-



SETU's part-time Level 7 Bachelor of Science in Additive Manufacturing is now underway and fully subscribed for the first year. Pictured are Lola Givet and Bruno Zluhan at SEAM. Photo: Patrick Browne

ways - SEAM (South Eastern Applied Materials Research Centre) and Design+ - and 3DWIT. SEAM has developed a specialist division in additive manufacturing and formed a company called 3DWIT, the country's first dedicated centre for 3D printing and training.

The modules have been developed for the AMASE (Additive Manufacturing Advancing the South East) project. The project is funded under the Human Capital Initiative and is being delivered in a blended mode over two 12-week semesters.

The cost of the course is €3,000. However, the Human Capital Initiative is providing funding of €2,250 for each place. Student fees of €750 apply for the full 60-credit degree.

According to Dr Ken Thomas, the Head of the School of Engineering in Waterford: "We see the South East

region leading the charge in successfully adopting this technology. SETU will continue to develop as a centre of excellence for Additive Manufacturing, helping companies with their innovation opportunities and transition challenges - people, processes, materials and technology."

SEAM Centre Director and 3DWIT Founder Dr Ramesh Raghavendra, commented: "SETU boasts excellent Advanced Manufacturing infrastructure and expertise through SEAM, Design+ and 3DWIT."

"I have no doubt the formal commencement of the Bachelor of Science in Additive Manufacturing will help to transform the South East into one of Ireland's leading advanced manufacturing regions."

For more information, visit <https://amase.ie>

Publication:	Munster Express	Media Cost (€):	1599.6
Date:	Tuesday, October 25, 2022	Reach	5,389
Page:	8	Size (Sq. Cm)	430



First of its kind 3D printing course begins at SETU

Ireland's newest Technological University is helping to position the South East region as a centre of excellence for additive manufacturing. A new one-year degree programme has begun at South East Technological University (SETU) aimed at creating the specialists companies need to adopt the technology.

Additive manufacturing is changing the way things are made. It is commonly known as 3D printing and is the process of creating an object by printing or building it one layer at a time.

The part-time Level 7 Bachelor of Science in Additive Manufacturing is now underway and is fully subscribed for the first year. It's primarily aimed at upskilling people in the manufacturing industry in the South East across a range of sectors including Aerospace, Med-Tech, Bio-Pharma, Agri-Tech and Precision Engineering.

The Technological University has a suite of Industrial Metal and Polymer 3D printers in Waterford and Carlow worth in excess of €3 million. Learners will have the opportunity to gain experience in a wide range of processing technologies, 3D printing platforms, and materials.

The new degree brings together expertise, assets and equipment from Waterford and Carlow through the Enterprise Ireland Technology Gateways - SEAM (South Eastern Applied Materials Research Centre) and Design+ - and 3DWIT. SEAM developed a specialist division in additive manufacturing

and formed a company called 3DWIT. It's Ireland's first dedicated centre for 3D printing and training and the course builds upon its offering.

Programme Leader, David Alarco said, "The area of additive manufacturing represents a fascinating ecosystem with huge opportunities for society, the environment and industry. It is a green technology in the efficient way it uses material.

Companies can manufacture locally, saving on transport, packaging and distribution costs. It is also far more innovative; you can make lighter and stronger parts, manufacture designs that were previously impossible and create goods tailored to the individual. This course is a unique opportunity for students to try something in practice, it's not just theoretical. We will be utilising the labs and equipment in Waterford and Carlow. It's important that students come out of the course with the exact knowledge and skills to be that proficient workforce."

Dr Frances Hardiman, Head of Faculty of Engineering in Carlow said, "Additive manufacturing is a specialist area that many companies are touching on and are curious about. We respond to the demands of industry and that's why we developed a programme focused on additive manufacturing. The expertise we have at SETU and our Technology Gateways is second to none and we want

to harness this to support regional upskilling and create the specialists that companies need."

The modules have been developed for the AMASE (Additive Manufacturing Advancing the South East) project. The project is funded under the Human Capital Initiative. The programme is being delivered in a blended mode over two 12-week semesters.

Dr Ken Thomas, Head of School of Engineering in Waterford added, "AMASE is focused on research-informed education. You can have the best equipment in the world but you also need the people with the right knowledge and skills. We see the South East region leading the charge in successfully adopting this technology. SETU will continue to develop as a centre of excellence for Additive Manufacturing, helping companies with their innovation opportunities and transition challenges - people, processes, materials and technology."

The cost of the course is €3,000 however, the Human Capital Initiative is providing funding of €2,250 for each place. Student fees of €750 apply for the full 60-credit degree.

The AMASE team has also developed an integrated suite of shorter 10-credit awards which will be rolled out in 2023. It includes certificates in introduction to additive manufacturing, design, health and safety and regulatory affairs as well as lab tech-

nologies and post processing.

Dr. Ramesh Raghavendra, Centre Director of SEAM and Founder of 3DWIT added, “The South East Technological University boasts excellent Advanced Manufacturing infrastructure and expertise through SEAM, Design+ and 3DWIT. I have no doubt the formal commencement of the Bachelor of Science in Additive Manufacturing will help to transform the South East into one of Ireland’s leading advanced manufacturing regions.”

For more information visit <https://amase.ie>

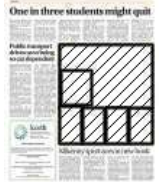


Pictured is Lola Givet, Additive Manufacturing Research Engineer SEAM.

PHOTO: PATRICK BROWNE

Publication: Kilkenny Observer
 Date: Friday, October 21, 2022
 Page: 10

Media Cost (€): 602.25
 Reach: 3,500
 Size (Sq. Cm): 165



Ireland's newest Technological University is helping to position the South East region as a centre of excellence for additive manufacturing or 3D printing. A new one-year degree programme has begun at SETU, aimed at creating the specialists companies need to adopt the technology.

Additive manufacturing is changing the way things are made. It is commonly known as 3D printing and is the process of creating an object by printing or building it one layer at a time.

The part-time Level 7 Bachelor of Science in Ad-

ditive Manufacturing is now underway and is fully subscribed for the first year. It's primarily aimed at upskilling people in the manufacturing industry in the South East across a range of sectors including Aerospace, Med-Tech, Bio-Pharma, Agri-Tech and Precision Engineering.

The Technological University has a suite of Industrial Metal and Polymer 3D printers in Waterford and Carlow worth in excess of €3 million. Learners will have the opportunity to gain experience in a wide range of processing technologies, 3D printing platforms, and materials.


The new degree brings together expertise, assets and equipment from Waterford and Carlow through the Enterprise Ireland Technology Gateways — SEAM (South Eastern Applied Materials Research Centre) and Design+ — and 3DWIT. SEAM developed a specialist division in additive manufacturing and formed a company called 3DWIT. It's Ireland's first dedicated centre for 3D printing and training and the course builds upon its offering.

Programme Leader **David Alarco** said: "This course is a unique opportunity for

students to try something in practice, it's not just theoretical. We will be utilising the labs and equipment in Waterford and Carlow. It's important that students come out of the course with the exact knowledge and skills to be that proficient workforce."

The cost of the course is €3,000. However, the Human Capital Initiative is providing funding of €2,250 for each place. Student fees of €750 apply for the full 60-credit degree.

***For more information visit <https://amase.ie>**

Publication:	siliconrepublic.com	Media Cost (€):	840	
Date:	Tuesday, October 18, 2022	Reach	500	
Page:	Link	Size (Sq. Cm)	488	

South east to be a manufacturing skills hub with new 3D printing course

The course participants will have the opportunity to gain experience in a wide range of processing technologies, 3D printing platforms and materials.

A new one-year, part-time course in additive manufacturing has begun at the South East Technological University (SETU).

The aim of the programme is to create a pipeline of workers skilled in 3D printing – as additive manufacturing is more commonly known.

Additive manufacturing, or 3D printing refers to the process of creating an object by printing or building it one layer at a time.

The Level 7 Bachelor of Science in Additive Manufacturing at SETU is already fully subscribed for the first year.

The course is primarily aimed at upskilling people in the manufacturing industry in the south east across a range of sectors including aerospace, medtech, biopharma, agritech and precision engineering.

The course participants will have the opportunity to gain experience in a wide range of processing technologies, 3D printing platforms and materials.

SETU has a suite of industrial metal and polymer 3D printers in Waterford and Carlow worth in excess of €3m.

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“This course is a unique opportunity for students to try something in practice, it’s not just theoretical. We will be utilising the labs and equipment in Waterford and Carlow. It’s important that students come out of the course with the exact knowledge and skills to be that proficient workforce,” said the course leader, [David Alarco](#).

Alarco added that additive manufacturing represents a “fascinating ecosystem with huge opportunities for society, the environment and industry.”

“It is a green technology in the efficient way it uses material. Companies can manufacture locally, saving on transport, packaging and distribution costs. It is also far more innovative; you can make lighter and stronger parts, manufacture designs that were previously impossible and create goods tailored to the individual.”


The course costs €3,000. However, the Human Capital Initiative (HCI) is providing funding of €2,250 for each place. HCI’s remit is investing in higher education programmes designed to fill skills gaps in the Irish workforce. Student fees of €750 apply for the full 60-credit degree.

Next year, the development team behind the course will roll out a series of shorter 10-credit awards. This will include certificates in areas such as an introduction to additive manufacturing, design, health and safety and regulatory affairs as well as lab technologies and post processing.

More information about the course is available [here](#)

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By Blathnaid O’Dea

Publication:	wlrfm.com	Media Cost (€):	89	
Date:	Tuesday, October 18, 2022	Reach	4,760	
Page:	Link	Size (Sq. Cm)	653	

First of its kind 3D printing course begins at SETU

Ireland's newest Technological University is helping to position the South East region as a centre of excellence for additive manufacturing.

A new one-year degree programme has begun at South East Technological University (SETU) aimed at creating the specialists companies need to adopt the technology.

Additive manufacturing is changing the way things are made. It is commonly known as 3D printing and is the process of creating an object by printing or building it one layer at a time.

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Programme Leader, **David Alarco** said:

“The area of additive manufacturing represents a fascinating ecosystem with huge opportunities for society, the environment and industry. It is a green technology in the efficient way it uses material. Companies can manufacture locally, saving on transport, packaging and distribution costs. It is also far more innovative; you can make lighter and stronger parts, manufacture designs that were previously impossible and create goods tailored to the individual. This course is a unique opportunity for students to try something in practice, it's not just theoretical. We will be utilising the labs and equipment in Waterford and Carlow. It's important that students come out of the course with the exact knowledge and skills to be that proficient workforce.”

Dr. Frances Hardiman, Head of Faculty of Engineering in Carlow said:

“Additive manufacturing is a specialist area that many companies are touching on and are curious about. We respond to the demands of industry and that's why we developed a programme focused on additive manufacturing. The expertise we have at SETU and our Technology Gateways is second to none and we want to harness this to support regional upskilling and create the specialists that companies need.”

The modules have been developed for the AMASE (Additive Manufacturing Advancing the South East) project. The project is funded under the Human Capital Initiative. The programme is being delivered in a blended mode over two 12-week semesters.

Dr. Ken Thomas, Head of School of Engineering in Waterford added:

“AMASE is focused on research-informed education. You can have the best equipment in the world but you also need the people with the right knowledge and skills. We see the South East region leading the charge in successfully adopting this technology. SETU will continue to develop as a centre of excellence for Additive Manufacturing, helping companies with their innovation opportunities and transition challenges – people, processes, materials and technology.”

The cost of the course is €3,000 - however, the Human Capital Initiative is providing funding of €2,250 for each place. Student fees of €750 apply for the full 60-credit degree.

The AMASE team has also developed an integrated suite of shorter 10-credit awards which will be rolled out in 2023. It includes certificates in introduction to additive manufacturing, design, health and safety and regulatory affairs as well as lab technologies and post processing.

For more information visit <https://amase.ie>

Publication:	waterford-news.ie	Media Cost (€):	11	
Date:	Tuesday, October 18, 2022	Reach	782	
Page:	Link	Size (Sq. Cm)	509	

New 3D printing course begins at SETU | Waterford News and Star

Pictured are Lola Givet and Bruno Zluhan, Additive Manufacturing Research Engineers at SEAM – the South Eastern Applied Materials Research Centre at SETU.

Photo: Patrick Browne

A NEW one-year degree additive manufacturing (3d printing) programme at the South East Technological University (SETU), hopes to play its part in positioning the region as a centre of excellence within this still emerging industry.

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Publication:	wlrfm.com	Media Cost (€):	24	
Date:	Thursday, October 27, 2022	Reach	4,760	
Page:	Link	Size (Sq. Cm)	181	

26th October: 3D Printing; Museum of Time & Irish Law Awards

A new degree course in Additive Manufacturing, the first of its kind, is up and running at SETU in conjunction with SEAM.


Commonly known as 3D Printing, Additive Manufacturing has revolutionised how things are made. Course Lead [David Alarco](#) joins Mary in studio.

Mary is also joined in studio by Director of Waterford Treasures, Eamonn McEneaney, to discuss the great news that The Irish Museum of Time, situated in Waterford City, is the only Irish finalist in the World Tourism Awards which are happening in early November.

Eamonn will discuss what a nomination like this means for Tourism locally.

And, Parker Law Solicitors is the only Waterford firm to be nominated in this year's Irish Law Awards, having been shortlisted in five categories.

The company, which has grown from one person to nine staff in its four year existence, is owned by Suzanne Parker and she speaks to Mary - all on this week's Hot Desk, which can be accessed via the play button on the photo above.

Publication:	munster-express.ie	Media Cost (€):	28	
Date:	Wednesday, October 26, 2022	Reach	1,360	
Page:	Link	Size (Sq. Cm)	713	

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Manufacturing, helping companies with their innovation opportunities and transition challenges – people, processes, materials and technology."

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Science in Additive Manufacturing will help to transform the South East into one of Ireland's leading advanced manufacturing regions."

For more information visit <https://amase.ie>

Publication:	WLR FM	Media Cost (€):	110	
Date:	Saturday, October 22, 2022	Reach	60,000	
Page:	Link	Size (Sq. Cm)	10	


WLR FM at 10/22/2022 10:00:46 AM

Highlights: Additive Manufacturing, SETU, degree course, Bachelor of Science, upskilling people, aerospace, biopharma, 3D printing, polymer 3D printers, Programme Leader David Alarco, innovation stage, technology.

Publication:	WLR FM	Media Cost (€):	93	
Date:	Saturday, October 22, 2022	Reach	60,000	
Page:	Link	Size (Sq. Cm)	10	


WLR FM at 10/22/2022 2:00:01 PM

Highlights: Additive Manufacturing, SETU, degree course, Bachelor of Science, upskilling people, aerospace, biopharma, 3D printing, polymer 3D printers, Programme Leader David Alarco, innovation stage, technology.

Publication:	WLR FM	Media Cost (€):	934	
Date:	Wednesday, October 26, 2022	Reach	60,000	
Page:	Link	Size (Sq. Cm)	10	


WLR FM at 10/26/2022 6:14:32 PM Part 1

Highlights: Additive Manufacturing, Amase, 3D printing course, SETU, Programme Leader David Alarco, Bachelor of Science, technology, education, aerospace, HCI, HEA, skilled workforce, supply chain disruption, new designs, investment, customisation.

Publication:	WLR FM	Media Cost (€):	82	
Date:	Wednesday, October 26, 2022	Reach	60,000	
Page:	Link	Size (Sq. Cm)	106	


WLR FM at 10/26/2022 6:14:32 PM Part 2

Highlights: Additive Manufacturing, Amase, 3D printing course, SETU, Programme Leader David Alarco, Bachelor of Science, technology, education, aerospace, HCI, HEA, skilled workforce, supply chain disruption, new designs, investment, customisation.

Publication:	Beats 102	Media Cost (€):	42	
Date:	Sunday, October 23, 2022	Reach	96,000	
Page:	Link	Size (Sq. Cm)	10	


Beat 102 103 at 10/23/2022 11:02:30 AM

Highlights: Additive Manufacturing, 3D printing course, SETU, students, gain experience, Programme Leader David Alarco, new technology, education.

Publication:	Beats 102	Media Cost (€):	42	
Date:	Sunday, October 23, 2022	Reach	96,000	
Page:	Link	Size (Sq. Cm)	10	


Beat 102 103 at 10/23/2022 12:00:00 PM

Highlights: Additive Manufacturing, 3D printing course, SETU, students, gain experience, Programme Leader David Alarco, new technology, education.

Publication:	WLR FM	Media Cost (€):	115	
Date:	Saturday, October 22, 2022	Reach	60,000	
Page:	Link	Size (Sq. Cm)	10	


WLR FM at 10/22/2022 4:00:46 PM

Highlights: Additive Manufacturing, SETU, degree course, Bachelor of Science, upskilling people, aerospace, biopharma, 3D printing, polymer 3D printers, Programme Leader David Alarco, innovation stage, technology.

Publication:	Beats 102	Media Cost (€):	42	
Date:	Sunday, October 23, 2022	Reach	96,000	
Page:	Link	Size (Sq. Cm)	10	

Beat 102 103 at 10/23/2022 2:00:00 PM

Highlights: Additive Manufacturing, 3D printing course, SETU, students, online, Programme Leader David Alarco, new technology, employees.

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