



University of East London
School of Architecture, Computing
& Engineering

CANDIDATE PACK

VACANCIES 2023/24



University of
East London

125
YEARS
of Pioneering Futures



Awards
2023

Shortlisted

University of the Year



University
Mental Health
Charter
Award

83%

Overall positivity of
graduating students



Welcome Message

Now is the ideal time to be joining the University of East London. We have emerged from the Covid-19 pandemic fitter, stronger and more robust. With an even greater appetite to accelerate inclusive talent by realising potential, wherever and whenever it is found, and to advance knowledge & innovation to help people and planet.

As we enter the era of Industry 5.0, we understand the need to think more holistically about what and how we teach our students and create impact in and for the communities we serve. Through our transformative 10-year strategy - Vision 2028 - we are committed to **becoming the UK's leading careers-first institution**, pioneering future careers and sustainable innovation for a rapidly changing world.

All our students, at every level, have access to our award-winning 'professional fitness and mental wealth' programme of emotional, social, physical

& cultural intelligence and digital proficiency development. Other enhanced opportunities include the Career Passport alongside our dedicated Career Zones to ensure we bring students, industry and career specialists closer together. And all this is underpinned by our innovative Technology- Enhanced Active-Learning framework (TEAL 2028) that enhances student engagement wherever they are.

And our ambitions don't rest there. We prepare our students to be the future-proof professionals to enhance lives and contribute to a better and sustainable world. Our world-leading impact in GreenTech and HealthTech is expanded by the launch of our new Centres of FinTech, Digital Fabrication, Cyber Security and Artificial Intelligence, together with the underpinning cutting-edge education, research and enterprise. This cross-collaboration between Schools aims to widen the talent pipeline, as well as offer research, development and policy to our industry partners and neighbours. With the new Elizabeth Line operating, we are now even closer to our industry and business partners in Canary Wharf, the City and beyond.

The capital is moving east and the University, the only HE institution in **London's Royal Docks Enterprise Zone**, is primed to take advantage including leading on the carbon zero goal for the Docks. Our current £200 million infrastructure investment programme is only one sign of this far-reaching transformation.

The significant investment into new staff in the School of Architecture, Computing and Engineering is an exciting and valuable opportunity for ambitious and enthusiastic professionals, hungry to contribute to the **University's transformation and to make a genuine** and positive difference in the communities we serve. I am looking forward to receiving your application.

Professor Amanda Broderick
BA (Hons) PhD DipM DipMRS PGCTL FRSA MBGS FCIM PFHEA

Vice Chancellor & President
University of East London



School of Architecture, Computing and Engineering

The School of Architecture, Computing and Engineering (ACE) at the University of East London is an award-winning, multidisciplinary hub that offers a transformational education built on outstanding applied research and supportive stakeholder relationships that shapes the lives of our communities locally and globally. The School has a proud history of offering industry driven and career-focused vocational courses, from architecture, art and design, computing and digital technologies, construction and surveying, to a wide range of engineering disciplines from aeronautical, biomedical, civil, electrical, mechanical, to railway, structural and transport areas. Over the past 125 years, the School has produced tens of thousands of graduates of diverse background, with an estimated over 15,000 professionals currently playing key roles in industry and businesses, making significant contribution to national economies in the UK and across the world.



While firmly rooted in East London, we embrace a global perspective, especially as we transition into the era of Industry 5.0. Our primary aim is to nurture the future leaders of tomorrow. We are deeply committed to equipping our students with the knowledge, skills, and intelligence needed to advance their careers and lives. Our goal is to ensure that they are well-prepared to address the pressing challenges facing our communities today and to contribute to the creation of a more just and sustainable world. We want our students to be highly sought-after by employers for future-proof jobs.

In the most recent National Student Survey, NSS of 2023, our school achieved an impressive result, securing fifteen Number 1 positions for positivity across all UK universities. Our courses in art, architecture, computing, construction, design, and engineering consistently garnered top positions in all NSS categories, both nationally and among London's HEIs. Our impactful applied research efforts and focus on developing transferable skills for students have led to the success outcome in REF 2021: all 4 UoAs in our school produced world-leading (4*) outputs. Notably, our Computer Science team achieved a GPA of 3.25, with half of our Engineering submission receiving a GPA of 2.75, indicating world-leading or internationally excellent outputs.

As we embark on the second phase of our Vision 2028 journey, our school is in an exciting phase of enhancing the student experience and establishing itself as a world-class STEAM hub. We are dedicated to addressing the demands of smart cities and fostering a sustainable built environment. As we continue to grow and diversify, we are actively seeking passionate academics and professionals to join our vibrant, innovative, and ambitious ACE academic family. If you are an ambitious and creative individual who shares our vision and aspires to be part of a like-minded university, seize this remarkable opportunity to join us. I look forward to receiving your application.

Professor David Tann, BSc (Eng) MSc PhD CEng FICE SFHEA FRSA
Vice Provost (Technology)
Dean of School of Architecture, Computing and Engineering
University of East London

University of East London

The University of East London is one of the most diverse and vibrant universities in the global capital. Our pioneering and forward-thinking vision is making a positive and significant impact to the communities we serve, inspiring both our staff and students to reach their full potential.

Born in 1898 to serve the skills needs of the 2nd industrial revolution, the University of East London has commenced Year 5 of its transformational 10-year [Vision 2028 strategic plan](#) led by our Vice-Chancellor & President, Professor Amanda Broderick, to advance Industry 4.0/5.0 careers-1st education. We have a clear route-map to provide a springboard for the jobs and opportunities of the future; drive diversity in the 4.0/5.0 talent pipeline - working in partnership to promote talent wherever it is found; and to create an inclusive and sustainable, green future.

Located in one of the world's most multicultural areas, our 25,000 students are a microcosm of creative diversity, representing 156 different nationalities. With London campuses in Stratford and in Royal Albert Dock, the University is at the heart of the industrial and creative shift east. The University offers specialist programmes that ensure our students have the skills, emotional intelligence and creativity necessary to adapt to a constantly evolving world and its new technologies.

As one of the most socially inclusive and international Universities and comprising one of the most diverse staff populations in the UK (50% of our professoriate identify from black or minority ethnic backgrounds), we are hugely proud of our track record in reducing inequalities (ranked 1st in the UK & 2nd globally, Times Higher Education Global Impact Rankings, 2020) and our commitment to equality, diversity and inclusion is at the heart of Vision 2028.



As the University continues to lead innovative development in cutting-edge fields, it will welcome outstanding scholars based in the UK and overseas to create an exciting future together. We are looking for inspirational individuals who have a passion to make a positive difference to people and planet, creating a more sustainable future for everyone.

We have achieved the highest 4* ranking for impact Cases across our key strategic areas of Health, Computer Sciences and Psychology in the Research Excellence Framework (REF 2021). We have also achieved 4* in research outputs in many subjects across the University. We will continue to actively engaging with domestic and international research centres, promoting interdisciplinarity and collaborative innovation, and striving to achieve major breakthrough across all our strategic subjects.

We have established strategic partnership with the blue-chip company Siemens to pioneer cutting-edge research and development in sustainability to achieve zero carbon by 2030.

We worked in partnership with Amazon web-service (AWS) to transform our learning environment to enable the University community to connect, collaborate and thrive through the digitalisation platform.

We are building an environment of success where colleagues are supported to achieve, and our community can flourish and thrive. We are an accredited Investors in People Award Institution and have achieved the Investors in People and Health and Wellbeing Award. With Athena Swan Awards and being one of a small number of Universities to have achieved the Race Equality Charter Award, we continue our journey to address and reduce barriers to opportunity.

So, if you are looking to build your career in a dynamic, inclusive, and performance-focused team and are inspired by our environment and drive for success, we want you to apply to join the University of East London. We are looking for inspirational individuals who have a passion to make a positive difference to people and planet, creating a more sustainable future for everyone.



Vision 2028



University of
East London

[Vision 2028](#) is a 10-year strategy to be at the forefront of careers-led education - a springboard for the jobs and opportunities of the future.

It aims to drive diversity in the 4.0/5.0 talent pipeline to give graduates the skills, tools and competencies sought by employers and entrepreneurs in a rapidly changing world, likely to become even more relevant in an employment landscape altered by the Covid-19 pandemic.

The strategy builds upon the institution's long-standing commitment to inclusion and social mobility, and advances research and entrepreneurial knowledge to produce solutions that help people, our community, a greener planet and the sustainability of our future.

Our priorities remain resolute in our mission: driving career-ready student inclusion, increasing our reputation for the benefit of our alumni and social impact of the university.



25,195 total students

enrolled at UEL and partner institutions in 2020/21

(As at 1 Dec 2020, this figure included 17,634 at UEL, 4,454 at overseas collaborative partners, and 3,107 at UK collaborative partners)

Ethnicity breakdown*:

**Asian 34%, White 26%, Black 24%,
Mixed 5%, Other 4%, Not known 6%**

Gender

breakdown*:

Female 57%, male 43%

Age breakdown (age on entry)*:

29% under 21; 71% 21 or over

52% of our students
are the first to attend university*

Fee status*: 55% of our on-campus students
are home students, 12% are EU, and 33%
are international students

20% of our on-campus students come
from east London boroughs*

**Disability
breakdown*:** **11%** of students (2,032)
have declared a disability.

(* From available data for 2020/21. Figures rounded to nearest whole number)

ABOUT UEL

Our vision and who we are

- **The University of East London recognises that the world is changing. We have a strategic Vision 2028 to be pioneers of future careers and sustainable innovation for a changing world.**
- Our vision is to positively change the world as we advance knowledge and innovation to help people and the planet.
- **We are ranked in the world's top 200 young universities.**
- Our focus is on careers, Glocal engagement, sustainable innovation, Economy 4.0 and beyond, our EDI and health gain.
- **We are signed up to the Race Equality Charter recognised by Times Higher Education.**

Our careers-led positioning

- **We have re-developed, re-designed and validated our portfolio with 156 programmes across the University now reflecting the needs of our learners and employer partners in a modern economy.**
- We are leading the way in education through our Dual Delivery 2.0 framework, meaning more choice in the way students can study virtually and in person. We've transformed our processes to give our students careers-first learning, increased flexibility and ongoing personal support. This includes investing £20m in 2020/21 on the Digital First and Connected Campus programmes (including CRM, Cloud, Wifi, IT infrastructure, IT applications and IT equipment) to support and enhance a better student experience, in addition to £6m invested on estates and IT infrastructure in 2019/20.
- **We have developed innovative programmes including embedding mental wealth and professional fitness modules as mandatory throughout our undergraduate curriculum, which is industry-focused and aligned to the jobs of the future.**
- We have developed a range of extra career experience opportunities in the form of a career passport for student to add to their skills and CV alongside our dedicated career zones to ensure we bring students, industry and career specialists closer together.

BE PART OF OUR STORY

#BeTheChange

Our story starts in 1898. Since then, we've survived wars, celebrated momentous sporting events and fought against a global pandemic. Now we are in the digital age facing new challenges and we are consistently adapting, innovating and thriving.

1898



West Ham Technical Institute opens

Only for a few to break out a year later and were James Frost of the institute.

1939



College at war

The campus is requisitioned and is used as a military training base.

1992

Birth of a university

The University of East London is born.



2012



The London Olympics and Paralympics.

Team USA Base (Washington at University of East London's new SportsDeck, Michelle Obama visits us and The University of East London student Gervase Robbons wins Olympic gold silver.

2015



Growing reputation.

Five University of East London architecture lecturers nominated for the Turner Prize.

2020



Global Pandemic:

University of East London leads the Royal Dock's support of NHS Nightingale in the fight against Covid 19 and supports the national effort to stop the spread of the disease in the UK.

1900

Phoenix rises

The phoenix is part of our logo and coat of arms because of the theoretical link. The University of East London was reborn from the ashes.



1981

Docklands revival begins

The London Docklands Corporation is set up to regenerate derelict industrial areas.



1999

Docklands campus opens.

London's first new university campus for over 50 years.



2014

Making an impact.

We were first in the UK to request for sponsorship research award of both Oxford and Cambridge Universities (O&C, 2014).



2019

Professional Fitness and Mental Wealth introduced.

We built a unique programme into all our courses to help prepare for careers of the future.



2022

Dual Delivery 2.0 introduced:

We've created a new model of education that combines a traditional university experience with the modern digital classroom to give our students the essential skills needed for future careers.





**VISION 2028 FOCUSES
ON AN INCLUSIVE AND
SUSTAINABLE FUTURE
– DELIVERING GREEN
ENTERPRISE, INNOVATION
& IMPACT TO THE
COMMUNITIES WE SERVE**

FACTS & FIGURES

How many people work at UEL?

We have **1,477** core members of staff (not including placements, interns, hourly paid employees or claims staff). Academic staff: **836**. Research staff: **22**

How many alumni does UEL have?

The University has **85,610** alumni on record. Of these, **78,112** are contactable by email, our main method of contact with our alumni. We have large cohorts in Nigeria, Malaysia, Greece Germany and India and notable alumni include British sprinter Adam Gemili, musician Tinchy Stryder, leading human rights lawyer Imran Khan and MP Rupa Huq.

How many degree apprenticeships does UEL offer?

We offer **13** degree apprenticeships at level 6 (bachelor's degree) and level 7 (master's degree). We have a total of **481** apprentices continuing their education (not including Babcock police constable degree apprentices). There is an additional **263** starts this academic year and **100** new Associate Nursing Apprentices will be starting in November 2021. In addition, **110** Babcock police constable degree apprentices started in September this year.

What is the diversity and global reach of our students?

Our students come from **140** different nations.

How many partnerships does UEL have?

UEL has **15** local, **5** national and **15** international academic partnerships that cover **10,819** students offering over **300** franchised and validated programmes across all levels across four continents. Among the countries where UEL has a presence are Egypt, Singapore, Sri Lanka, USA, Russia, Germany Malaysia and Greece.

How does UEL reach out to the community?

In 2020/21, we delivered **215** outreach activities across **124** schools and colleges and had **8,542** student engagements (pre and post 16). Last year, UEL students contributed more than **11,000** volunteer hours to **81** community organisations, public sector organisations, and social enterprises.

What are our assets worth?

The University has total net assets of **£195m** and is one of the very few Higher Education institutions to carry no debt.

What is our annual turnover?

Our total annual turnover in 2020/21 was **£196m**. The University has seen a **38%** income growth in the last three years.

How much does UEL spend on research?

Over the past three years, UEL's average yearly research spend is **£1.51m** across an average of **33** awards. Our research is aimed at making a positive impact globally and locally. Among our work, the Sustainability Research Institute is investigating how to preserve precious peatlands and develop urban green infrastructure and the Institute for Connected Communities is leading the way exploring the impacts of cyber crimes and online harms.

How many subjects do we teach?

UEL teaches **21** individual subject areas across its **6** schools.

How many people apply to UEL each year?

This year, we received **41,000** applications from students.

OUR CORE VALUES

PASSION

is at the heart
of learning

COURAGE

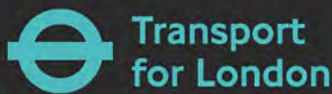
will enable us
to excel

DIVERSITY

is a source of
strength



WE WORK WITH INDUSTRY





Current Opportunities:

Associate Professor/Senior Lecturer in Cyber Security Technologies

Associate Professor/Senior Lecturer in Applied AI

Associate Professor/Senior Lecturer in Cloud Computing

Lecturer/Senior Lecturer Computer Science, Digital Technologies, Cyber Security, Data Science, Immersive Learning (10 vacancies)

Professor/Associate Professor in Electrical & Electronic Engineering

Lecturer/Senior Lecturer Real Estates/Construction Management

Lecturer/Senior Lecturer in Engineering/Project Management

Lecturer/Senior Lecturer in Quantity Surveying

Lecturer/Senior Lecturer in Aeronautical Engineering

Lecturer/Senior Lecturer in Civil Engineering

Lecturer/Senior Lecturer in Biomedical Engineering

Lecturer/Senior Lecturer in Mechanical Engineering

Lecturer/Senior Lecturer in Electrical & Electronics Engineering

School Senior Administrative Officer

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youtube.com/videouel

uel.ac.uk



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