Institute	Programme	Programme Description	Commencement Date
Ngee Ann Polytechnic	Work-Study Post-Diploma (Certificate) in Entrepreneurship	Embark on a transformative journey with our 1-year Work-Study Post-Diploma (Certificate) in Entrepreneurship (Startup Talent Factory). This innovative programme is meticulously designed to equip aspiring entrepreneurs with essential skills and knowledge to thrive in the dynamic startup ecosystem. The curriculum is structured around three core modules: Start-up Finance & Operations, where you will master the financial intricacies and operational strategies crucial for sustaining a new venture; Start-up Product Development, focusing on ideation, prototyping, and bringing innovative ideas to market; and Digital Commerce & Marketing, empowering you with the digital tools and strategies needed to effectively reach and engage customers in today's digital age. Complementing these modules is a comprehensive on-job-training practicum, providing invaluable hands-on experience within a real-world entrepreneurial setting. This practicum not only enhances your practical skills but also allows you to apply classroom knowledge in a practical business environment. By the end of the programme, you will emerge not just as a knowledgeable entrepreneur but also as a confident and skilled professional ready to make a significant impact in the startup landscape.	Apr 2024
	Work-Study Post-Diploma (Specialist Diploma in Creative Technologist)	In today's rapidly evolving digital landscape, the amalgamation of creativity and technology is not just a passing trend—it's a necessity. A Creative Technologist is more than just a tech-savvy individual. They are forward-thinking individuals who leverage the power of technology to bring imaginative ideas to life. The course will equip you with the skills and knowledge required to kickstart and excel at this dynamic intersection. The course will also walk you through the essential tools and techniques, from coding and digital design to interactive media and artificial intelligence. You will learn how to prototype innovative solutions, create engaging digital experiences, and effectively communicate your ideas to diverse audiences.	Oct 2024

		The curriculum, developed by industry experts, is a 12-month course encompassing hands-on projects, collaborative workshops, and real-world case studies. Whether you're a designer seeking to expand your technical skills or a technologist eager to explore your creative potential, this course provides a unique pathway to unlock your full potential.	
	Work-Study Certificate in Aerospace Engineering	The Work-Study Certificate in Aerospace Engineering (AE) course is meticulously designed to prepare participants for careers in the aerospace industry, specifically in the Maintenance, Repair, and Overhaul (MRO) sector. This course offers a comprehensive blend of theoretical knowledge and practical skills essential for working in the industry. It aims to develop practical aerospace skills to meet industry demands and provides essential knowledge of aerospace legislation and human factors to ensure safety and compliance in aerospace processes. Additionally, the course fosters analytical thinking and problem-solving abilities, empowering you to become self-directed, lifelong learners. You will gain fundamental insights into Aircraft Materials and Hardware, Aircraft Maintenance Practices, Basic Aerodynamics, Aircraft Structure, Human Factors, and an Introduction to SAR145. The curriculum aligns with the industry standard, ensuring that the training meets the industry requirements. It aims to foster a deep understanding of aerospace engineering principles while emphasizing the development of hands-on skills critical for effective performance in real-world scenarios.	2H of 2024 (TBC)
Nanyang Polytechnic	Work-Study Post-Diploma (Specialist Diploma in Agile Solutioning & DevSecOps)	Work-Study Post-Diploma (Specialist Diploma in Agile Solutioning & DevSecOps) focuses on agile software development expertise and leveraging emerging technologies. Participants deepen their skills to design user experiences and develop impactful IT solutions that address real-world challenges. Learners will receive the Specialist Diploma upon successful completion of the Post-Diploma Certificate in Agile Digital Solutioning covering Agile Development Process with DevOps, User Experience Research, Agile with Lean UX, Agile UX Capstone Project, and Post-Diploma Certificate in DevSecOps & Automation covering Full Stack Application Development, Digital Assurance in DevSecOps, Secure Software Development, DevSecOps Capstone Project.	Apr 2024

				Oct 2024
Republic Polytechnic	Work-Study Post-Diploma (Specialist Diploma in Semiconductor Manufacturing)	Electronics manufacturing is a major industry underpinning Singapore's economic growth and is an important contributor to Singapore's Gross Domestic Product. With many of the world's semiconductor MNCs such as, GlobalFoundries, Micron, SSMC and UMC, having set up their operations in Singapore, the career opportunities in this sector are excellent. The Specialist Diploma in Semiconductor Manufacturing (SDSM) aims to equip participants with specialised knowledge and skills in the following core areas of semiconductor manufacturing: • Integrated Circuit (IC) Design • Process Integration • Product Yield Engineering • IC Packaging • Reliability and Failure Analysis • Quality Assurance		Oct 2024
	Work-Study Post-Diploma (Specialist Diploma in Applied Generative Artificial Intelligence)	The Specialist Diploma in Applied Generative Artificial Intelligence (SDGAI) course is designed to provide a comprehensive introduction to the principles, techniques, and applications of Artificial Intelligence (AI) and Generative AI. This course will guide participants through the fundamentals of AI, including machine learning, deep learning, and neural networks, before delving into the innovative realm of generative models such as GANs (Generative Adversarial Networks), VAEs (Variational Autoencoders), Stable Diffusion, and Large Language Models (LLMs). Participants will also gain a deep understanding of the ethical challenges in AI development and learn to develop AI systems with ethical considerations in mind. By the end of this course, participants will have the knowledge and skills to implement AI solutions and create generative AI models that can produce original content.		Oct 2024
Singapore Polytechnic	Work-Study Post-Diploma (Specialist Diploma in Data Science (Data Engineering)	The Work-Study Post-Diploma (Specialist Diploma in Data Science (Data Engineering)) aims to cultivate the expertise of data engineers in navigating complex data ecosystems with confidence and precision. Data Scientists remain an occupation with high industry demand and competitive pay. To support organisations in creating and sustaining data pipelines to manage the flow of big data, the course starts by laying the participant's foundation in Data Science skills		Oct 2024

		in the areas of Statistics and Programming, before diving deeper into Data Engineering to cover Data Management Systems and Big Data Technologies.		
	Work-Study Certificate leading to part-time Diploma in Design (Interior Design)	The Work-Study Certificates leading to part-time Diploma in Design (Interior Design) aims to provide participants with knowledge and skills relevant for the Interior Design Industry. Participants aspiring to become designers can look forward to discover the transformative power of aesthetics, functionality and innovation to turn spaces into practical homes, workplaces, community spaces or even captivating works of art. The course will cover key areas including Project Management, Spatial Design and BIM.		Oct 2024
Temasek Polytechnic	Work-Study Post-Diploma (Specialist Diploma in Environmental Technology & Energy Sustainability)	The course will introduce relevant modules such as "Motor System & Renewable Energy", "Energy Management & Audit", and "Plant Utilities System & Pollution Control", to support the growing demand of trained professionals as part of Singapore's green initiatives, especially in the area of environmental care and energy sustainability. Temasek Polytechnic has been granted Provisional Accreditation for Associate Singapore Certified Energy Manager (ASCEM). The course and modules are planned in consultation with the Singapore Institute of Technology (Energy Efficiency Technology Centre) with the aim for the participants to attain ASCEM accreditation upon passing the course. Participants will learn how to: • Manage the workings of various energy consuming unit operations which include process optimisation and waste management; • Identify the alternative sources of renewable or clean energy for use; • Manage energy issues in building such as high energy consumption HVAC systems (Heating, Ventilation and Air Conditioning) such as heat pump, air conditioning and refrigeration cycle.		Oct 2024
	Work-Study Certificate leading to part-time Diploma in Gerontology (Community Health & Social Care)	With a rapidly ageing population and the rollout of Healthier SG and the 2023 Action Plan for Successful Ageing, the Community Care sector, consisting mainly of home-based and centre-based care services, plays an increasingly pivotal role in enabling seniors to stay independent and active. Active Ageing Centres (AACs) have become the primary vehicle for upstream interventions aimed at promoting healthy ageing. With its swift expansion, the Community Care sector's demand for skilled manpower has increased significantly. Participants will learn how to:		April 2024

| | | Apply gerontological concepts to develop individualised care plans for older adults Plan, implement and evaluate psychosocial programmes Engage and manage stakeholders effectively to deliver quality services Contribute to workforce planning, staff engagement and recruitment | |