UNIVERSITY OF SALFORD FORM PS (2016/17)

PROGRAMME SPECIFICATION

See Programme Specification Guidance for advice and guidance when completing this form. You can also contact the Quality and Enhancement Office for guidance completing this form on QEO-General@salford.ac.uk

This form is available to download from http://www.governance.salford.ac.uk/page/aqa_forms).

Date of completion:	*03/11/2017*
Office Use **Date approved by PARP:**	*14/12/2017*

Stage 1 Business Case Approval Sections 1 – 23				
1	Awarding institution/body		University of Salford	
2	Taught at		University of Salford	
3	Not Used			
4	School(s) responsible for the programme		*Lead School* School of Computing, Science & Engineering	*Additional School* Choose an item.
5	Links with partner institutions		None	
6	Externally accredited by			
7	Final award and Intermediate Terminating Qualifications (ITQs)	Final award (s)	BEng (Hons), BSc (Hons)	
		Programmes for admission	BEng Acoustical and Audio Engineering with Foundation Year BEng Electronic Engineering with Foundation Year BSc Physics with Foundation Year	
		ITQs	None	
8	FHEQ level of the qualification		Level 3 - UFd/Cert	
9	Programme title		Acoustical and Audio Engineering with Foundation Year Electronic Engineering with Foundation Year Physics with Foundation Year	
10	Aims of the programme		The programme aims to give a unified training in physics and mathematical techniques at level 3 meeting the prerequisites for level 4 training in the associated degree programmes. There is an emphasis on both understanding and problem solving and, in addition practical and communication skills. This is achieved through a combination of theoretical and practical modules. In theoretical, lecture/tutorial based modules an emphasis is placed on the application of knowledge and techniques through problem solving. More specifically the aims of the programme are to: • Improve competence in essential areas of physics necessary for progression onto physics or engineering degrees. • Develop mathematical skills and understanding necessary for progressing in physics and engineering. • Develop analytical, critical and problem solving skills in physics. • Develop experimental and IT skills. • Develop communication and study skills.	
11	Length of programme (in each mode)		1 year foundation year with automatic progression on successful completion to relevant substantive degree programme (additional 3 years).	

<table>
<tr><td>12</td><td>Mode(s) of attendance/ delivery and intakes</td><td>
<table>
<tr><td></td><td colspan="2">Face to face</td><td colspan="2">E-learning</td><td colspan="3">Blended (combination of face to face and e-learning)</td></tr>
<tr><td>Intakes</td><td>F/T</td><td>P/T</td><td>F/T</td><td>P/T</td><td>F/T</td><td>P/T</td><td>For blended delivery is more than 50% delivered by distance?</td></tr>
<tr><td>September</td><td>✓</td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td>October</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
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<tr><td>August</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
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<tr><td>13</td><td>Language of study</td><td>English</td></tr>
<tr><td>14</td><td>Month and year of commencement</td><td>September 2018
Programme commenced in September 2017</td></tr>
<tr><td>15</td><td>Date teaching starts</td><td>
First year of this programme running
<table>
<tr><td>Intakes</td><td>Almanac week number</td></tr>
<tr><td>September</td><td>1</td></tr>
<tr><td>October</td><td></td></tr>
<tr><td>November</td><td></td></tr>
<tr><td>December</td><td></td></tr>
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Second year of this programme running
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<tr><td>Intakes</td><td>Almanac week number</td></tr>
<tr><td>September</td><td>1</td></tr>
<tr><td>October</td><td></td></tr>
<tr><td>November</td><td></td></tr>
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<tr><td>16</td><td>Office use
Funded by</td><td>Funding Council</td></tr>
<tr><td>17</td><td>Entrance requirements</td><td>
General Entry Academic Requirements
Applicants must satisfy both the University’s General Entry Requirement and the specific entry requirements as detailed below.

The General Entry Academic Requirements are as per the University’s Admissions and Retention Policy detail for Foundation Certificate/level 3 of CertHE/DipHE/Bachelor’s Degree/Integrated Master’s programmes. Level 4 of HNC/HND/Foundation Degree programmes

Programme Specific Academic and Other Entry Requirements
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Applicants must have the required number of UCAS points (to be advised by the School).

Accreditation of Prior Learning
An applicant who does not possess one of the qualifications which satisfies the General Academic Entry Requirement may be considered through the Accreditation of Prior Learning (APL) (both Certified Prior Learning and/or one Prior Experiential Learning) as per the University’s Admissions and Retention Policy.
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		English Language Requirements Applicants must satisfy the University's English Language requirements as per the University's Admissions and Retention Policy .
18	Is a Salford UCAS code required?	*Yes*
19	Responsibility for administration of the programme	School of Computing, Science & Engineering
20	Programme structure	For programme content, please see the module specifications. The programme structure is below:

Programme Structure

All modules are 20 credits

		Intake
Year	**Semester**	**September F/T**
1	**1**	Foundation Mathematics 1
	1&2	Foundation Physics A Foundation Physics B Foundation Laboratory Foundation IT and Study Skills
	2	Foundation Mathematics 2

21	Requirements for progression at each level, plus the criteria on which the final award is based	Requirements for progression are governed by the Academic Regulations for Taught Programmes.
22	HESA subject code	F3, H6, H9
23	Marketing JACS code	F300, H341, H610

Stage 2 Academic Approval Sections 24 – 30

This section should be read in conjunction with module specifications

24	Relevant Subject Benchmarking statements (and any other reference points)	HESA - Physics, astronomy and astrophysics HESA – Engineering
25	Intended learning outcomes – Including those for Intermediate Terminating Qualifications	<u>Level 3</u> <u>Knowledge and Understanding</u> On successful completion the student will be able to demonstrate: L3.1 A knowledge and understanding of the laws of physics L3.2 A knowledge and understanding of mathematical techniques and principles relevant to physics L3.3 The application of the laws of physics to a range of topics L3.4 The application of mathematical techniques central to physics <u>Key Skills</u> On completion the student will be able to: L3.5 Frame, model and solve problems in physics L3.6 Perform experiments and collect data, and compare critically to with established laws of physics. L3.7 Use IT packages to analyse data. L3.8 Communicate both orally and in the written form through reports and presentations. L3.9 Apply their knowledge and understanding to carry out open ended investigations. Learning outcomes at later levels are included in the programme specification of the relevant degree the student progresses on to.

26	Teaching, learning and assessment strategies	A combination of classroom based, laboratory based and workshop based teaching is used. In classroom based sessions a combination of lectures and problem solving tutorial classes are employed. Essential principles (in both physics and mathematics) are introduced in lectures then applied in problem solving exercises introduced in tutorial classes. Emphasis is placed on problem solving directly relevant to later years of study. Assessment is performed through a combination of homework assignments, test and a final exam in each module. In the laboratory module students are initially trained in experimental techniques. Following this initial training students then embark on performing set experimental investigations that involve the setting up of equipment, data collections and critical data analysis including error analysis. Assessment is based on practical assessment and reports. IT skills are taught in computer laboratory classes and involve the use of software to analyse and graphically display data. In addition, computer simulation tools are utilised to strengthen the understanding of physics. Communication and study skills are developed through open-ended investigative problem based learning exercises performed as a group. Assessment is done through a combination of oral presentations and written reports.
27	Re-assessment strategy	Re-assessment opportunities are available in accordance with University rules. Sufficient learning materials are provided through Blackboard and students required to be re-assessed are encouraged to make contact with relevant members of staff teaching on the programme before the re-assessment period if they have any queries. Appropriate feedback is provided accordingly.
28	Assessed professional experience	N/A
29	Special features of programme	The programme is taught on campus by subject experts. Students have access to specialised experimental teaching laboratories. On successful completion of the foundation year students can progress onto any of the associated degree programmes at level 4. Students will be encouraged to join the relevant subject-specific student society: the Physics Society, Engineering Society and Acoustics Society are all very active.
30	Arrangements for student support	The University has a wide range of student support services through Student Experience & Support. Services provided by the Library include information literacy, ICT and research skills training, reading list and information resources support for programmes and modules, and a range of student learning spaces. Help and advice is also available from the Academic Support Librarian for the School, and Library enquiry services. Computing support is provided by IT Services (ITS), this includes the ITS Helpdesk and management of the University's Virtual Learning Environment (Blackboard). In line with the University's Code of Practice on Personal Tutoring all students have access to a member of staff who can provide personal guidance and suggest other sources of help. There is a drop-in centre, MathScope, to help students with mathematics problems.

QEO Office Use Only	
Programme Codes:	E/AENFY/F E/EEFY/F S/PFY/F
Comments:	