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Your request

Select the option that most applies to you

Request an interview with a serving Met officer for commercial purposes, such as research for a book

Details of your enquiry

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Computations Across Industries o Schneider Electric products and configurations are used, such as: □ Data centers, for designing resilient electrical systems, □ Healthcare, for uninterrupted power supply (UPS) systems, □ Manufacturing, for automation solutions and motor control. Experimental Focus Areas 1. Accuracy of Digital Calculations o The reliability of Schneider Electric's tools in predicting system performance versus real-world outcomes. 2. Sizing for Renewable Energy Integration o Evaluate the sizing of components like energy meters and inverters for systems integrating solar or wind power. 3. Fault Current Prediction o Analyze how Schneider's calculation tools predict fault currents under varying grid conditions. 4. Harmonic Distortion Analysis o Assess the impact of nonlinear loads on power quality and system efficiency. 5. Load Modeling Accuracy o Compare predicted load profiles against actual data from smart meters and IoT sensors. 6. System Resilience o Test the ability of Schneider's tools to simulate and predict system behavior during outages or component failures. 7. Environmental Impact o Evaluate the carbon footprint of different system configurations and the impact of renewable energy integration. 8. Integration with Other Systems o Assess how Schneider's tools interact with other software like ERP systems or cloud-based monitoring solutions. 9. Scalability o Test the tools' performance with large-scale, complex systems. 10. User Experience o Gather feedback on the ease of use and learning curve for different user groups. 11. Data Security o Ensure that all data processed by the tools is secure and compliant with relevant regulations. 12. Cost-Benefit Analysis o Evaluate the return on investment for using Schneider's tools compared to traditional calculation methods. 13. Future Trends o Explore emerging trends in power management and how Schneider's tools might evolve to meet future needs. 14. Collaboration o Foster collaboration between different departments and external partners to optimize system performance. 15. Documentation o Ensure that all calculations and configurations are properly documented for future reference. 16. Training o Provide training for users to maximize the effectiveness of the tools. 17. Support o Establish a robust support system for users. 18. Compliance o Ensure that all calculations and configurations comply with relevant industry standards and regulations. 19. Innovation o Encourage innovation in the use of the tools and the development of new features. 20. Sustainability o Promote sustainable practices in the use of the tools and the development of new features. 21. Security o Implement robust security measures to protect the tools and the data they process. 22. Interoperability o Ensure that the tools can integrate with other systems and devices. 23. 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Qualification/Personal admin req	Foundation	National NC certificate	Programme/diploma degree	International school	Degree (please specify certificate)	Saga certificate	national
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assessor	Saga	Saga	Saga	Saga	Saga	Saga	Saga
Lead	Lead	Lead	Lead	Lead	Lead	Lead	Lead
Director	Director	Director	Director	Director	Director	Director	Director
Manager	Manager	Manager	Manager	Manager	Manager	Manager	Manager
Coordinator	Coordinator	Coordinator	Coordinator	Coordinator	Coordinator	Coordinator	Coordinator
Supervisor	Supervisor	Supervisor	Supervisor	Supervisor	Supervisor	Supervisor	Supervisor
Teacher	Teacher	Teacher	Teacher	Teacher	Teacher	Teacher	Teacher
Staff	Staff	Staff	Staff	Staff	Staff	Staff	Staff
Student	Student	Student	Student	Student	Student	Student	Student
Parent	Parent	Parent	Parent	Parent	Parent	Parent	Parent
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Private	Private	Private	Private	Private	Private	Private	Private
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For-profit	For-profit	For-profit	For-profit	For-profit	For-profit	For-profit	For-profit
Academic	Academic	Academic	Academic	Academic	Academic	Academic	Academic
Non-academic	Non-academic	Non-academic	Non-academic	Non-academic	Non-academic	Non-academic	Non-academic
Research	Research	Research	Research	Research	Research	Research	Research
Teaching	Teaching	Teaching	Teaching	Teaching	Teaching	Teaching	Teaching
Learning	Learning	Learning	Learning	Learning	Learning	Learning	Learning
Management	Management	Management	Management	Management	Management	Management	Management
Business	Business	Business	Business	Business	Business	Business	Business
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Education	Education	Education	Education	Education	Education	Education	Education
Engineering	Engineering	Engineering	Engineering	Engineering	Engineering	Engineering	Engineering
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Law	Law	Law	Law	Law	Law	Law	Law
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Media	Media	Media	Media	Media	Media	Media	Media
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Marketing	Marketing	Marketing	Marketing	Marketing	Marketing	Marketing	Marketing
Finance	Finance	Finance	Finance	Finance	Finance	Finance	Finance
Accounting	Accounting	Accounting	Accounting	Accounting	Accounting	Accounting	Accounting
Human resources	Human resources	Human resources	Human resources	Human resources	Human resources	Human resources	Human resources
Operations	Operations	Operations	Operations	Operations	Operations	Operations	Operations
Logistics	Logistics	Logistics	Logistics	Logistics	Logistics	Logistics	Logistics
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Construction	Construction	Construction	Construction	Construction	Construction	Construction	Construction
Transport	Transport	Transport	Transport	Transport	Transport	Transport	Transport
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Education information systems	Education information systems	Education information systems					

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create new code files, or Project > Add Existing Item to add existing code files to the project(s). In the future, to open this project again, go to File > Open > Project and select the .sln file. Verify that your new app builds and runs. The template for a new Windows console application creates a simple C++ "Hello World" app. At this point, you can see how Visual Studio builds and runs the app; you create them from the IDE. To build your project, select Build Solution from the Build menu. The output window shows the results of the build process. To run the code, on the menu bar, select Debug > Start without debugging (Ctrl+F5). A console window opens and your app runs within it. When you start a console app in Visual Studio, it runs your code, then prints "Press any key to see the output. Congratulations! You created your first 'Hello World' app in Visual Studio. You have your code, you have the console window, and you have the output window. You can now add more code to your app after you've verified that the code you created is what you expect. Let's add more code to the calculator app. 1. Replace the contents of the CalculatorTutorial.cpp file with the following code that matches the example: C++ Edit the code // file contains the "main" function. Program execution begins and ends there. // #include using namespace std; int main() { cout << "Calculator Console Application" << endl << endl; cout << "Please enter the operation to perform. Format: a+b | a-b | a*b | a/b | a^b | a^b^2 | a^b^3 | a^b^4 | a^b^5 | a^b^6 | a^b^7 | a^b^8 | a^b^9 | a^b^10 | a^b^11 | a^b^12 | a^b^13 | a^b^14 | a^b^15 | a^b^16 | a^b^17 | a^b^18 | a^b^19 | a^b^20 | a^b^21 | a^b^22 | a^b^23 | a^b^24 | a^b^25 | a^b^26 | a^b^27 | a^b^28 | a^b^29 | a^b^30 | a^b^31 | a^b^32 | a^b^33 | a^b^34 | a^b^35 | a^b^36 | a^b^37 | a^b^38 | a^b^39 | a^b^40 | a^b^41 | a^b^42 | a^b^43 | a^b^44 | a^b^45 | a^b^46 | a^b^47 | a^b^48 | a^b^49 | a^b^50 | a^b^51 | a^b^52 | a^b^53 | a^b^54 | a^b^55 | a^b^56 | a^b^57 | a^b^58 | a^b^59 | a^b^60 | a^b^61 | a^b^62 | a^b^63 | a^b^64 | a^b^65 | a^b^66 | a^b^67 | a^b^68 | a^b^69 | a^b^70 | a^b^71 | a^b^72 | a^b^73 | a^b^74 | a^b^75 | a^b^76 | a^b^77 | a^b^78 | a^b^79 | a^b^80 | a^b^81 | a^b^82 | a^b^83 | a^b^84 | a^b^85 | a^b^86 | a^b^87 | a^b^88 | a^b^89 | a^b^90 | a^b^91 | a^b^92 | a^b^93 | a^b^94 | a^b^95 | a^b^96 | a^b^97 | a^b^98 | a^b^99 | a^b^100 | a^b^101 | a^b^102 | a^b^103 | a^b^104 | a^b^105 | a^b^106 | a^b^107 | a^b^108 | a^b^109 | a^b^110 | a^b^111 | a^b^112 | a^b^113 | a^b^114 | a^b^115 | a^b^116 | a^b^117 | a^b^118 | a^b^119 | a^b^120 | a^b^121 | a^b^122 | a^b^123 | a^b^124 | a^b^125 | a^b^126 | a^b^127 | a^b^128 | a^b^129 | a^b^130 | a^b^131 | a^b^132 | a^b^133 | a^b^134 | a^b^135 | a^b^136 | a^b^137 | a^b^138 | a^b^139 | a^b^140 | a^b^141 | a^b^142 | a^b^143 | a^b^144 | a^b^145 | a^b^146 | a^b^147 | a^b^148 | a^b^149 | a^b^150 | a^b^151 | a^b^152 | a^b^153 | a^b^154 | a^b^155 | a^b^156 | a^b^157 | a^b^158 | a^b^159 | a^b^160 | a^b^161 | a^b^162 | a^b^163 | a^b^164 | a^b^165 | a^b^166 | a^b^167 | a^b^168 | a^b^169 | a^b^170 | a^b^171 | a^b^172 | a^b^173 | a^b^174 | a^b^175 | a^b^176 | a^b^177 | a^b^178 | a^b^179 | a^b^180 | a^b^181 | a^b^182 | a^b^183 | a^b^184 | a^b^185 | a^b^186 | a^b^187 | a^b^188 | a^b^189 | a^b^190 | a^b^191 | a^b^192 | a^b^193 | a^b^194 | a^b^195 | a^b^196 | a^b^197 | a^b^198 | a^b^199 | a^b^200 | a^b^201 | a^b^202 | a^b^203 | a^b^204 | a^b^205 | a^b^206 | a^b^207 | a^b^208 | a^b^209 | a^b^210 | a^b^211 | a^b^212 | a^b^213 | a^b^214 | a^b^215 | a^b^216 | a^b^217 | a^b^218 | a^b^219 | a^b^220 | a^b^221 | a^b^222 | a^b^223 | a^b^224 | a^b^225 | a^b^226 | a^b^227 | a^b^228 | a^b^229 | a^b^230 | a^b^231 | a^b^232 | a^b^233 | a^b^234 | a^b^235 | a^b^236 | a^b^237 | a^b^238 | a^b^239 | a^b^240 | a^b^241 | a^b^242 | a^b^243 | a^b^244 | a^b^245 | a^b^246 | a^b^247 | a^b^248 | a^b^249 | a^b^250 | a^b^251 | a^b^252 | a^b^253 | a^b^254 | a^b^255 | a^b^256 | a^b^257 | a^b^258 | a^b^259 | a^b^260 | a^b^261 | a^b^262 | a^b^263 | a^b^264 | a^b^265 | a^b^266 | a^b^267 | a^b^268 | a^b^269 | a^b^270 | a^b^271 | a^b^272 | a^b^273 | a^b^274 | a^b^275 | a^b^276 | a^b^277 | a^b^278 | a^b^279 | a^b^280 | a^b^281 | a^b^282 | a^b^283 | a^b^284 | a^b^285 | a^b^286 | a^b^287 | a^b^288 | a^b^289 | a^b^290 | a^b^291 | a^b^292 | a^b^293 | a^b^294 | a^b^295 | a^b^296 | a^b^297 | a^b^298 | a^b^299 | a^b^300 | a^b^301 | a^b^302 | a^b^303 | a^b^304 | a^b^305 | a^b^306 | a^b^307 | a^b^308 | a^b^309 | a^b^310 | a^b^311 | a^b^312 | a^b^313 | a^b^314 | a^b^315 | a^b^316 | a^b^317 | a^b^318 | a^b^319 | a^b^320 | a^b^321 | a^b^322 | a^b^323 | a^b^324 | a^b^325 | a^b^326 | a^b^327 | a^b^328 | a^b^329 | a^b^330 | a^b^331 | a^b^332 | a^b^333 | a^b^334 | a^b^335 | a^b^336 | a^b^337 | a^b^338 | a^b^339 | a^b^340 | a^b^341 | a^b^342 | a^b^343 | a^b^344 | a^b^345 | a^b^346 | a^b^347 | a^b^348 | a^b^349 | a^b^350 | a^b^351 | a^b^352 | a^b^353 | a^b^354 | a^b^355 | a^b^356 | a^b^357 | a^b^358 | a^b^359 | a^b^360 | a^b^361 | a^b^362 | a^b^363 | a^b^364 | a^b^365 | a^b^366 | a^b^367 | a^b^368 | a^b^369 | a^b^370 | a^b^371 | a^b^372 | a^b^373 | a^b^374 | a^b^375 | a^b^376 | a^b^377 | a^b^378 | a^b^379 | a^b^380 | a^b^381 | a^b^382 | a^b^383 | a^b^384 | a^b^385 | a^b^386 | a^b^387 | a^b^388 | a^b^389 | a^b^390 | a^b^391 | a^b^392 | a^b^393 | a^b^394 | a^b^395 | a^b^396 | a^b^397 | a^b^398 | a^b^399 | a^b^400 | a^b^401 | a^b^402 | a^b^403 | a^b^404 | a^b^405 | a^b^406 | a^b^407 | a^b^408 | a^b^409 | a^b^410 | a^b^411 | a^b^412 | a^b^413 | a^b^414 | a^b^415 | a^b^416 | a^b^417 | a^b^418 | a^b^419 | a^b^420 | a^b^421 | a^b^422 | a^b^423 | a^b^424 | a^b^425 | a^b^426 | a^b^427 | a^b^428 | a^b^429 | a^b^430 | a^b^431 | a^b^432 | a^b^433 | a^b^434 | a^b^435 | a^b^436 | a^b^437 | a^b^438 | a^b^439 | a^b^440 | a^b^441 | a^b^442 | a^b^443 | a^b^444 | a^b^445 | a^b^446 | a^b^447 | a^b^448 | a^b^449 | a^b^450 | a^b^451 | a^b^452 | a^b^453 | a^b^454 | a^b^455 | a^b^456 | a^b^457 | a^b^458 | a^b^459 | a^b^460 | a^b^461 | a^b^462 | a^b^463 | a^b^464 | a^b^465 | a^b^466 | a^b^467 | a^b^468 | a^b^469 | a^b^470 | a^b^471 | a^b^472 | a^b^473 | a^b^474 | a^b^475 | a^b^476 | a^b^477 | a^b^478 | a^b^479 | a^b^480 | a^b^481 | a^b^482 | a^b^483 | a^b^484 | a^b^485 | a^b^486 | a^b^487 | a^b^488 | a^b^489 | a^b^490 | a^b^491 | a^b^492 | a^b^493 | a^b^494 | a^b^495 | a^b^496 | a^b^497 | a^b^498 | a^b^499 | a^b^500 | a^b^501 | a^b^502 | a^b^503 | a^b^504 | a^b^505 | a^b^506 | a^b^507 | a^b^508 | a^b^509 | a^b^510 | a^b^511 | a^b^512 | a^b^513 | a^b^514 | a^b^515 | a^b^516 | a^b^517 | a^b^518 | a^b^519 | a^b^520 | a^b^521 | a^b^522 | a^b^523 | a^b^524 | a^b^525 | a^b^526 | a^b^527 | a^b^528 | a^b^529 | a^b^530 | a^b^531 | a^b^532 | a^b^533 | a^b^534 | a^b^535 | a^b^536 | a^b^537 | a^b^538 | a^b^539 | a^b^540 | a^b^541 | a^b^542 | a^b^543 | a^b^544 | a^b^545 | a^b^546 | a^b^547 | a^b^548 | a^b^549 | a^b^550 | a^b^551 | a^b^552 | a^b^553 | a^b^554 | a^b^555 | a^b^556 | a^b^557 | a^b^558 | a^b^559 | a^b^560 | a^b^561 | a^b^562 | a^b^563 | a^b^564 | a^b^565 | a^b^566 | a^b^567 | a^b^568 | a^b^569 | a^b^570 | a^b^571 | a^b^572 | a^b^573 | a^b^574 | a^b^575 | a^b^576 | a^b^577 | a^b^578 | a^b^579 | a^b^580 | a^b^581 | a^b^582 | a^b^583 | a^b^584 | a^b^585 | a^b^586 | a^b^587 | a^b^588 | a^b^589 | a^b^590 | a^b^591 | a^b^592 | a^b^593 | a^b^594 | a^b^595 | a^b^596 | a^b^597 | a^b^598 | a^b^599 | a^b^600 | a^b^601 | a^b^602 | a^b^603 | a^b^604 | a^b^605 | a^b^606 | a^b^607 | a^b^608 | a^b^609 | a^b^610 | a^b^611 | a^b^612 | a^b^613 | a^b^614 | a^b^615 | a^b^616 | a^b^617 | a^b^618 | a^b^619 | a^b^620 | a^b^621 | a^b^622 | a^b^623 | a^b^624 | a^b^625 | a^b^626 | a^b^627 | a^b^628 | a^b^629 | a^b^630 | a^b^631 | a^b^632 | a^b^633 | a^b^634 | a^b^635 | a^b^636 | a^b^637 | a^b^638 | a^b^639 | a^b^640 | a^b^641 | a^b^642 | a^b^643 | a^b^644 | a^b^645 | a^b^646 | a^b^647 | a^b^648 | a^b^649 | a^b^650 | a^b^651 | a^b^652 | a^b^653 | a^b^654 | a^b^655 | a^b^656 | a^b^657 | a^b^658 | a^b^659 | a^b^660 | a^b^661 | a^b^662 | a^b^663 | a^b^664 | a^b^665 | a^b^666 | a^b^667 | a^b^668 | a^b^669 | a^b^670 | a^b^671 | a^b^672 | a^b^673 | a^b^674 | a^b^675 | a^b^676 | a^b^677 | a^b^678 | a^b^679 | a^b^680 | a^b^681 | a^b^682 | a^b^683 | a^b^684 | a^b^685 | a^b^686 | a^b^687 | a^b^688 | a^b^689 | a^b^690 | a^b^691 | a^b^692 | a^b^693 | a^b^694 | a^b^695 | a^b^696 | a^b^697 | a^b^698 | a^b^699 | a^b^700 | a^b^701 | a^b^702 | a^b^703 | a^b^704 | a^b^705 | a^b^706 | a^b^707 | a^b^708 | a^b^709 | a^b^710 | a^b^711 | a^b^712 | a^b^713 | a^b^714 | a^b^715 | a^b^716 | a^b^717 | a^b^718 | a^b^719 | a^b^720 | a^b^721 | a^b^722 | a^b^723 | a^b^724 | a^b^725 | a^b^726 | a^b^727 | a^b^728 | a^b^729 | a^b^730 | a^b^731 | a^b^732 | a^b^733 | a^b^734 | a^b^735 | a^b^736 | a^b^737 | a^b^738 | a^b^739 | a^b^740 | a^b^741 | a^b^742 | a^b^743 | a^b^744 | a^b^745 | a^b^746 | a^b^747 | a^b^748 | a^b^749 | a^b^750 | a^b^751 | a^b^752 | a^b^753 | a^b^754 | a^b^755 | a^b^756 | a^b^757 | a^b^758 | a^b^759 | a^b^760 | a^b^761 | a^b^762 | a^b^763 | a^b^764 | a^b^765 | a^b^766 | a^b^767 | a^b^768 | a^b^769 | a^b^770 | a^b^771 | a^b^772 | a^b^773 | a^b^774 | a^b^775 | a^b^776 | a^b^777 | a^b^778 | a^b^779 | a^b^780 | a^b^781 | a^b^782 | a^b^783 | a^b^784 | a^b^785 | a^b^786 | a^b^787 | a^b^788 | a^b^789 | a^b^790 | a^b^791 | a^b^792 | a^b^793 | a^b^794 | a^b^795 | a^b^796 | a^b^797 | a^b^798 | a^b^799 | a^b^800 | a^b^801 | a^b^802 | a^b^803 | a^b^804 | a^b^805 | a^b^806 | a^b^807 | a^b^808 | a^b^809 | a^b^810 | a^b^811 | a^b^812 | a^b^813 | a^b^814 | a^b^815 | a^b^816 | a^b^817 | a^b^818 | a^b^819 | a^b^820 | a^b^821 | a^b^822 | a^b^823 | a^b^824 | a^b^825 | a^b^826 | a^b^827 | a^b^828 | a^b^829 | a^b^830 | a^b^831 | a^b^832 | a^b^833 | a^b^834 | a^b^835 | a^b^836 | a^b^837 | a^b^838 | a^b^839 | a^b^840 | a^b^841 | a^b^842 | a^b^843 | a^b^844 | a^b^845 | a^b^846 | a^b^847 | a^b^848 | a^b^849 | a^b^850 | a^b^851 | a^b^852 | a^b^853 | a^b^854 | a^b^855 | a^b^856 | a^b^857 | a^b^858 | a^b^859 | a^b^860 | a^b^861 | a^b^862 | a^b^863 | a^b^864 | a^b^865 | a^b^866 | a^b^867 | a^b^868 | a^b^869 | a^b^870 | a^b^871 | a^b^872 | a^b^873 | a^b^874 | a^b^875 | a^b^876 | a^b^877 | a^b^878 | a^b^879 | a^b^880 | a^b^881 | a^b^882 | a^b^883 | a^b^884 | a^b^885 | a^b^886 | a^b^887 | a^b^888 | a^b^889 | a^b^890 | a^b^891 | a^b^892 | a^b^893 | a^b^894 | a^b^895 | a^b^896 | a^b^897 | a^b^898 | a^b^899 | a^b^900 | a^b^901 | a^b^902 | a^b^903 | a^b^904 | a^b^905 | a^b^906 | a^b^907 | a^b^908 | a^b^909 | a^b^910 | a^b^911 | a^b^912 | a^b^913 | a^b^914 | a^b^915 | a^b^916 | a^b^917 | a^b^918 | a^b^919 | a^b^920 | a^b^921 | a^b^922 | a^b^923 | a^b^924 | a^b^925 | a^b^926 | a^b^927 | a^b^928 | a^b^929 | a^b^930 | a^b^931 | a^b^932 | a^b^933 | a^b^934 | a^b^935 | a^b^936 | a^b^937 | a^b^938 | a^b^939 | a^b^940 | a^b^941 | a^b^942 | a^b^943 | a^b^944 | a^b^945 | a^b^946 | a^b^947 | a^b^948 | a^b^949 | a^b^950 | a^b^951 | a^b^952 | a^b^953 | a^b^954 | a^b^955 | a^b^956 | a^b^957 | a^b^958 | a^b^959 | a^b^960 | a^b^961 | a^b^962 | a^b^963 | a^b^964 | a^b^965 | a^b^966 | a^b^967 | a^b^968 | a^b^969 | a^b^970 | a^b^971 | a^b^972 | a^b^973 | a^b^974 | a^b^975 | a^b^976 | a^b^977 | a^b^978 | a^b^979 | a^b^980 | a^b^981 | a^b^982 | a^b^983 | a^b^984 | a^b^985 | a^b^986 | a^b^987 | a^b^988 | a^b^989 | a^b^990 | a^b^991 | a^b^992 | a^b^993 | a^b^994 | a^b^995 | a^b^996 | a^b^997 | a^b^998 | a^b^999 | a^b^1000 | a^b^1001 | a^b^1002 | a^b^1003 | a^b^1004 | a^b^1005 | a^b^1006 | a^b^1007 | a^b^1008 | a^b^1009 | a^b^1010 | a^b^1011 | a^b^1012 | a^b^1013 | a^b^1014 | a^b^1015 | a^b^1016 | a^b^1017 | a^b^1018 | a^b^1019 | a^b^1020 | a^b^1021 | a^b^1022 | a^b^1023 | a^b^1024 | a^b^1025 | a^b^1026 | a^b^1027 | a^b^1028 | a^b^1029 | a^b^1030 | a^b^1031 | a^b^1032 | a^b^1033 | a^b^1034 | a^b^1035 | a^b^1036 | a^b^1037 | a^b^1038 | a^b^1039 | a^b^1040 | a^b^1041 | a^b^1042 | a^b^1043 | a^b^1044 | a^b^1045 | a^b^1046 | a^b^1047 | a^b^1048 | a^b^1049 | a^b^1050 | a^b^1051 | a^b^1052 | a^b^1053 | a^b^1054 | a^b^1055 | a^b^1056 | a^b^1057 | a^b^1058 | a^b^1059 | a^b^1060 | a^b^1061 | a^b^1062 | a^b^1063 | a^b^1064 | a^b^1065 | a^b^1066 | a^b^1067 | a^b^1068 | a^b^1069 | a^b^1070 | a^b^1071 | a^b^1072 | a^b^1073 | a^b^1074 | a^b^1075 | a^b^1076 | a^b^1077 | a^b^1078 | a^b^1079 | a^b^1080 | a^b^1081 | a^b^1082 | a^b^1083 | a^b^1084 | a^b^1085 | a^b^1086 | a^b^1087 | a^b^1088 | a^b^1089 | a^b^1090 | a^b^1091 | a^b^1092 | a^b^1093 | a^b^1094 | a^b^1095 | a^b^1096 | a^b^1097 | a^b^1098 | a^b^1099 | a^b^1100 | a^b^1101 | a^b^1102 | a^b^1103 | a^b^1104 | a^b^1105 | a^b^1106 | a^b^1107 | a^b^1108 | a^b^1109 | a^b^1110 | a^b^1111 | a^b^1112 | a^b^1113 | a^b^1114 | a^b^1115 | a^b^1116 | a^b^1117 | a^b^1118 | a^b^1119 | a^b^1120 | a^b^1121 | a^b^1122 | a^b^1123 | a^b^1124 | a^b^1125 | a^b^1126 | a^b^1127 | a^b^1128 | a^b^1129 | a^b^1130 | a^b^1131 | a^b^1132 | a^b^1133 | a^b^1134 | a^b^1135 | a^b^1136 | a^b^1137 | a^b^1138 | a^b^1139 | a^b^1140 | a^b^1141 | a^b^1142 | a^b^1143 | a^b^1144 | a^b^1145 | a^b^1146 | a^b^1147 | a^b^1148 | a^b^1149 | a^b^1150 | a^b^1151 | a^b^1152 | a^b^1153 | a^b^1154 | a^b^1155 | a^b^1156 | a^b^1157 | a^b^1158 | a^b^1159 | a^b^1160 | a^b^1161 | a^b^1162 | a^b^1163 | a^b^1164 | a^b^1165 | a^b^1166 | a^b^1167 | a^b^1168 | a^b^1169 | a^b^1170 | a^b^1171 | a^b^1172 | a^b^1173 | a^b^1174 | a^b^1175 | a^b^1176 | a^b^1177 | a^b^1178 | a^b^1179 | a^b^1180 | a^b^1181 | a^b^1182 | a^b^1183 | a^b^1184 | a^b^1185 | a^b^1186 | a^b^1187 | a^b^1188 | a^b^1189 | a^b^1190 | a^b^1191 | a^b^1192 | a^b^1193 | a^b^1194 | a^b^1195 | a^b^1196 | a^b^1197 | a^b^1198 | a^b^1199 | a^b^1200 | a^b^1201 | a^b^1202 | a^b^1203 | a^b^1204 | a^b^1205 | a^b^1206 | a^b^1207 | a^b^1208 | a^b^1209 | a^b^1210 | a^b^1211 | a^b^1212 | a^b^1213 | a^b^1214 | a^b^1215 | a^b^1216 | a^b^1217 | a^b^1218 | a^b^1219 | a^b^1220 | a^b^1221 | a^b^1222 | a^b^1223 | a^b^1224 | a^b^1225 | a^b^1226 | a^b^1227 | a^b^1228 | a^b^1229 | a^b^1230 | a^b^1231 | a^b^1232 | a^b^1233 | a^b^1234 | a^b^1235 | a^b^1236 | a^b^1237 | a^b^1238 | a^b^1239 | a^b^1240 | a^b^1241 | a^b^1242 | a^b^1243 | a^b^1244 | a^b^1245 | a^b^1246 | a^b^1247 | a^b^1248 | a^b^1249 | a^b^1250 | a^b^1251 | a^b^1252 | a^b^1253 | a^b^1254 | a^b^1255 | a^b^1256 | a^b^1257 | a^b^1258 | a^b^1259 | a^b^1260 | a^b^1261 | a^b^1262 | a^b^1263 | a^b^1264 | a^b^1265 | a^b^1266 | a^b^1267 | a^b^1268 | a^b^1269 | a^b^1270 | a^b^1271 | a^b^1272 | a^b^1273 | a^b^1274 | a^b^1275 | a^b^1276 | a^b^1277 | a^b^1278 | a^b^1279 | a^b^1280 | a^b^1281 | a^b^1282 | a^b^1283 | a^b^1284 | a^b^1285 | a^b^1286 | a^b^1287 | a^b^1288 | a^b^1289 | a^b^1290 | a^b^1291 | a^b^1292 | a^b^1293 | a^b^1294 | a^b^1295 | a^b^1296 | a^b^1297 | a^b^1298 | a^b^1299 | a^b^1300 | a^b^1301 | a^b^1302 | a^b^1303 | a^b^1304 | a^b^1305 | a^b^1306 | a^b^1307 | a^b^1308 | a^b^1309 | a^b^1310 | a^b^1311 | a^b^1312 | a^b^1313 | a^b^1314 | a^b^1315 | a^b^1316 | a^b^1317 | a^b^1318 | a^b^1319 | a^b^1320 | a^b^1321 | a^b^1322 | a^b^1323 | a^b^1324 | a^b^1325 | a^b^1326 | a^b^1327 | a^b^1328 | a^b^1329 | a^b^1330 | a^b^1331 | a^b^1332 | a^b^1333 | a^b^1334 | a^b^1335 | a^b^1336 | a^b^1337 | a^b^1338 | a^b^1339 | a^b^1340 | a^b^1341 | a^b^1342 | a^b^1343 | a^b^1344 | a^b^1345 | a^b^1346 | a^b^1347 | a^b^1348 | a^b^1349 | a^b^1350 | a^b^1351 | a^b^1352 | a^b^1353 | a^b^1354 | a^b^1355 | a^b^1356 | a^b^1357 | a^b^1358 | a^b^1359 | a^b^1360 | a^b^1361 | a^b^1362 | a^b^1363 | a^b^1364 | a^b^1365 | a^b^1366 | a^b^1367 | a^b^1368 | a^b^1369 | a^b^1370 | a^b^1371 | a^b^1372 | a^b^1373 | a^b^1374 | a^b^1375 | a^b^1376 | a^b^1377 | a^b^1378 | a^b^1379 | a^b^1380 | a^b^1381 | a^b^1382 | a^b^1383 | a^b^1384 | a^b^1385 | a^b^1386 | a^b^1387 | a^b^1388 | a^b^1389 | a^b^1390 | a^b^1391 | a^b^1392 | a^b^1393 | a^b^1394 | a^b^1395 | a^b^1396 | a^b^1397 | a^b^1398 | a^b^1399 | a^b^1400 | a^b^1401 | a^b^1402 | a^b^1403 | a^b^1404 | a^b^1405 | a^b^1406 | a^b^1407 | a^b^1408 | a^b^1409 | a^b^1410 | a^b^1411 | a^b^1412 | a^b^1413 | a^b^1414 | a^b^1415 | a^b^1416 | a^b^1417 | a^b^1418 | a^b^1419 | a^b^1420 | a^b^1421 | a^b^1422 | a^b^1423 | a^b^1424 | a^b^1425 | a^b^1426 | a^b^1427 | a^b^1428 | a^b^1429 | a^b^1430 | a^b^1431 | a^b^1432 | a^b^1433 | a^b^1434 | a^b^1435 | a^b^1436 | a^b^1437 | a^b^1438 | a^b^1439 | a^b^1440 | a^b^1441 | a^b^1442 | a^b^1443 | a^b^1444 | a^b^1445 | a^b^1446 | a^b^1447 | a^b^1448 | a^b^1449 | a^b^14

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	6.3 Aims of the Awards	7.3.1 General Aims of the HNC Electrical Engineering	7.3.2 Specific Aims of the HNC Electrical Engineering	7.3.3 General Aims of the HNC Electrical Engineering
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work, practical engineering work, measurement and testing, computer simulation and project work. Industrial visits may also be included in your programme of study to allow you to see 'real life' engineering in action. Arrangements Document: PDA/HNC Engineering Practice 43 The Qualifications Design Team has ensured that assessment in the awards meet national standards. The awards have been designed to optimise assessment so that sufficient time is available for you to learn the advanced engineering craft and supervisory knowledge and skills that are essential to being a good craft/trades person and engineer supervisor. You can expect to do assessment at individual Unit level and at qualification level. At Unit level assessments will normally consist of written tests and/or practical exercises which will include the preparation of reports. Your lecturer should tell you at the start of the Unit what form Unit assessment(s) will take. In addition to Unit assessment there will also be a 3-hour examination. This examination will be designed to assess you on your knowledge, understanding and skills in your chosen advanced craft area and in the HNC Engineering Practice award. You should ask your lecturer for more details about the composition of the examination paper and when you will sit it. The Qualification Design Team does not wish to place any artificial barriers in the way of potential candidates wanting to study a PDA/HNC Engineering Practice award. However, it would be unfair to enrol a candidate into a PDA/HNC who did not have a realistic chance of successfully achieving the awards. The Qualification Design Team would therefore recommend that a candidate had one of the following qualifications before entering a PDA/HNC Engineering: 1 One Higher from Physics, Technological Studies or Mathematics and at least three Standard Grades 1-2/Intermediate 2 passes including Mathematics, Physics/Technological Studies and English; 2 An appropriate National Certificate in Engineering Practice or Engineering or an appropriate National Certificate in Engineering at SCQF level 5; 3 Equivalent qualifications or experience to those shown in (1) and (2). On completion of your PDA/HNC Engineering Practice award there may be opportunities for you to progress to a 'Higher National technician qualification' in, say, Mechanical or Electrical Engineering if that is what you prefer to do. Your PDA/HNC Engineering Practice qualification should provide you with some credit transfer opportunities towards the 'technician HNC/HND'. The precise nature of credit transfer will depend on the HNC/HND you decide to study. Alternatively, on completion of your PDA/HNC Engineering Practice award, you may decide to study a supervisory or management qualification. Many centres offer such qualifications and you are advised to obtain further information from centres on the range of supervisory or management qualifications they offer. Arrangements Document: PDA/HNC Engineering Practice 44 9 Glossary of terms SCQF: This stands for the Scottish Credit and Qualification Framework, which is a new way of speaking about qualifications and how they inter-relate. We use SCQF terminology throughout this guide to refer to credits and levels. For further information on the SCQF visit the SCQF website at www.scqf.org.uk SCQF credits: One HN credit is equivalent to 8 SCQF credit points. This applies to all HN Units, irrespective of their level. SCQF levels: The SCQF covers 12 levels of learning. HN Units will normally be at levels 6-9. Graded Units will be at level 7 and 8. Subject Unit: Subject Units contain vocational/subject content and are designed to test a specific set of knowledge and skills. Graded Unit: Graded Units assess candidates' ability to integrate what they have learned while working towards the Units of the Group Award. Their purpose is to add value to the Group Award, making it more than the sum of its parts, and to encourage candidates to retain and adapt their skills and knowledge. Dedicated Core Skill Unit: This is a Unit that is written to cover one or more particular Core Skills, eg HN Units in Information Technology or Communications. Embedded Core Skills: This is where the development of a Core Skill is incorporated into the Unit and where the Unit assessment also covers the requirements of Core Skill assessment at a particular level. Signposted Core Skills: This refers to the opportunities to develop a particular Core Skill at a specified level that lie outwith automatic certification. Qualification Design Team: The QDT works in conjunction with a Qualification Manager/Development Manager to steer the development of the HNC/D from its inception/revision through to validation. The group is made up of key stakeholders representing the interests of centres, employers, universities and other relevant organisations. Consortium-devised HNCs and HNDs are those developments or revisions undertaken by a group of centres in partnership with SQA. Specialist single centre and specialist collaborative devised HNCs and HNDs are those developments or revisions led by a single centre or small group of centres who provide knowledge and skills in a specialist area. Like consortium-devised HNCs and HNDs, these developments or revisions will also be supported by SQA. 10 Appendix Appendix 1: Sample Teaching Timetables See following pages for Appendix 1. Arrangements Document: PDA/HNC Engineering Practice 45 Appendix 1: Sample Teaching Timetables 1 Two year part-time PDA in Engineering: Engineering Manufacture at SCQF level 7/HNC Engineering Practice 2 Two year part-time PDA in Engineering: Electrical Engineering at SCQF level 7/HNC Engineering Practice Arrangements Document: PDA/HNC Engineering Practice 46 Two Year, Part-Time PDA in Engineering Practice: Engineering Manufacture/HNC Engineering Practice First Year, First Semester Mechanical Engineering Principles Computer Aided Drafting for Engineers Options 1 (from the PDA in Engineering: Engineering Manufacture options) First Year, Second Semester Engineering Measurement CNC Options 2 (from the PDA in Engineering: Engineering Manufacture options) Arrangements Document: PDA/HNC Engineering Practice 47 Two Year, Part-Time PDA in Engineering Practice: Engineering Manufacture/HNC Engineering Practice (cont.) Second Year, First Semester Communication: Practical Skills Engineering Supervision:

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