

State: PENNSYLVANIA	
Agency: PA Dept of Education, Bureau of School Leadership and Teacher Quality	
Website: www.pde.state.pa.us	
Contact Name: Theresa Barnaby	
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3.1 Which computing courses are offered in middle school?	Computer Applications Computer Science Information Technology Keyboarding Technology Web Page Design & Development
3.2 URL where middle school course standards can be found:	http://www.pacode.com/secure/data/022/chapter4/s4.83.html
3.3 Are any computing courses required in middle school?	Yes
4.1 Which computing courses are offered in HS?	Computer Applications Introductory Computer Science Computer Programming Adv Placement Computer Science Computer Networking Information Technology Keyboarding Robotics Web Page Design and Development
4.2 URL where HS course standard can be found:	http://www.pacode.com/secure/data/022/chapter4/s4.83.html
5.1 What are the requirements for teaching AP CS?	Business, Computing, Math, or Other
5.3 URL that shows teaching requirements for AP CS:	NA
5.4 What department is AP CS offered in?	Business, Career & Technology, Math
5.6 What type of grad requirements does an AP CS course fulfill?	Business, Career & Technology, Math
5.8 URL that shows graduation requirements AP CS fulfills:	NA
6.1 What are the requirements for teaching IB CS?	Other
6.3 URL that shows teaching requirements for IB CS:	NA
6.4 What department is IB CS offered in?	Other
6.6 What type of grad requirements does an IB CS course fulfill?	Other
6.8 URL that shows what graduation requirements IB CS fulfills:	NA
7.1 Does your state require students to demonstrate computer literacy in order to graduate?	Yes
7.3 URL that explains the computer literacy requirement:	http://www.pacode.com/secure/data/022/chapter4/s4.83.html

8.1 For computing courses other than AP CS that include programming what teaching certification is required?	Business, Computing, Math, or Technology & Design degree/certificate/endorsement/license
8.3 For computing courses that do not include programming what teaching certification is required?	Business, Computing, Math, or Technology & Design degree/certificate/endorsement/license
8.5 Does your state offer any kind of certification, endorsement or license in computing?	Yes
9.1 Describe the computing certificate/endorsement/license and what courses it allows a teacher to teach.	Business, Computer and Information Technology Math Vocational Instructional in various computer occupational competency areas
9.2 URL for the requirements for computing certificate/endorsement/license:	http://www.teaching.state.pa.us/teaching/cwp/view.asp?a=131&Q=105885 http://www.pde.state.pa.us/career_edu/cwp/view.asp?a=122&Q=59293&g=219&career_eduNAV= 4186 4187 &career_eduNav= 3843
9.3 Is ongoing professional development required to keep this certification/endorsement/license?	Yes
10.1 How satisfied are you with your state's computing teacher certification requirements?	Satisfied
10.2 How well are computing teachers prepared to teach computing courses in your state?	Prepared
10.3 How important is it that students have computing knowledge?	Very important